

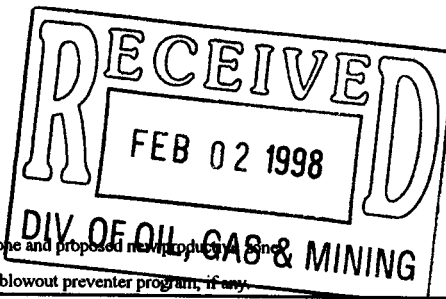
**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>U-72106</b>		
1b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/> ZONE <input type="checkbox"/> ZONE <input type="checkbox"/>			6. IF INDIAN, ALOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR <b>Inland Production Company</b>			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR <b>P.O. Box 790233 Vernal, UT 84079</b> <b>Phone: (801) 789-1866</b>			8. FARM OR LEASE NAME <b>Beluga</b>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface <b>SW/NE</b> At proposed Prod. Zone <b>2083' FNL &amp; 1873' FEL</b> <b>635 571</b>			9. WELL NO. <b>#7-18-9-17</b>		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>14.6 Miles south of Myton, UT</b>			10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1873'</b>		16. NO. OF ACRES IN LEASE <b>1188.92</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.		19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5441.7' GR</b>			22. APPROX. DATE WORK WILL START* <b>2nd Quarter 1998</b>		
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
Refer to Monument Butte Field SOP's Drilling Program/Casing Design					

**Inland Production Company proposes to drill this well in accordance with the attached exhibits, "A" through "G".**

**The Conditions of Approval are attached.**



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Cheryl Cameron* TITLE **Regulatory Compliance Specialist** DATE **1/26/98**  
**Cheryl Cameron**

(This space for Federal or State office use)

PERMIT NO. **43-013-32051** APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

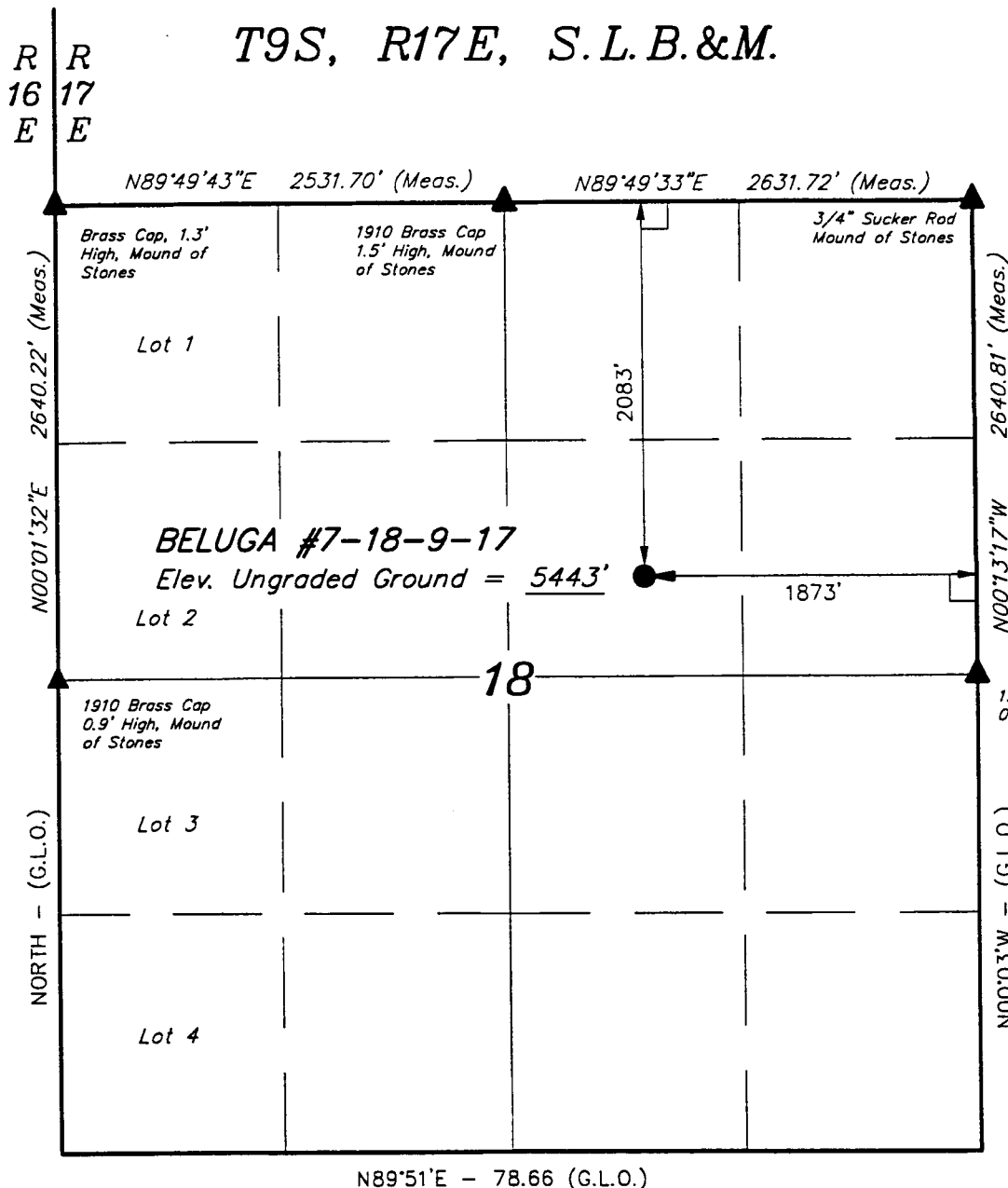
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *[Signature]* TITLE *Manager* DATE **3/18/98**

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





**LEGEND:**

- └─┘ = 90° SYMBOL  
 ● = PROPOSED WELL HEAD.  
 ▲ = SECTION CORNERS LOCATED.

**NOTE:**

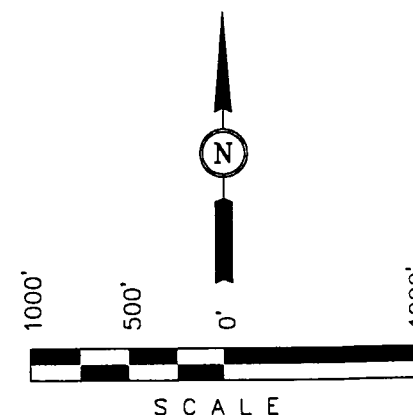
BASIS OF BEARINGS IS THE WEST LINE OF THE NW 1/4 OF SECTION 7, T9S, R17E, S.L.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR NORTH.

**INLAND PRODUCTION CO.**

Well location, BELUGA #7-18-9-17, located a shown in the SW 1/4 NE 1/4 of Section 18, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

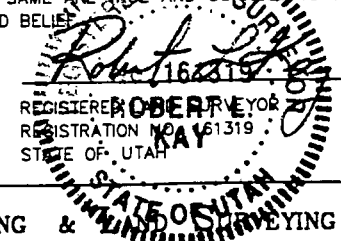
**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 7, T8S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5265 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**UINTAH ENGINEERING & SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-13-98	DATE DRAWN: 01-15-98
PARTY D.A. D.K. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	



**INLAND PRODUCTION COMPANY  
BELUGA #7-18-9-17  
SW/NE SECTION 18, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1450'
Green River	1450'
Wasatch	6500'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1450' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "F".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.



**INLAND PRODUCTION COMPANY  
BELUGA #7-18-9-17  
SW/NE SECTION 18, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Beluga #7-18-9-17 located in the SW 1/4 NE 1/4 Section 18, T9S, R17E, S.L.B. 7 M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along this road 6.3 miles  $\pm$  to its junction with a dirt road to the southeast; continue southeasterly 1.6 miles to its junction with a dirt road; continue an additional 3.5 miles to its junction with a dirt road to the southwest; proceed southwesterly 2.5 miles to its junction with a dirt road to the northwest; proceed northwesterly 0.1 to the proposed access road for the #14-7-9-17 location to the beginning of the proposed access road for the 7-18-9-17 location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "D".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP. See Exhibit "E".

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.



9. WELL SITE LAYOUT

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). Refer to Exhibit "E".

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION *Archaeological Survey & Pipeline ROW*

The Archaeological Cultural Resource Survey Report is attached.

Inland Production Company requests that a pipeline ROW be granted to the Beluga #7-18-9-17 for a 3" poly fuel gas line, and a 4" poly gas gatherline line. Both lines will be run on surface, adjacent to the existing road-way; the route will follow existing roads where possible. Inland requests that a 30' width for the ROW and an additional 30' width for working surface as necessary. Refer to Exhibit "G".

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, Utah 84079  
Telephone: (435) 789-1866

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #7-18-9-17 SW/NE Section 18, Township 9S, Range 17E: Lease UTU-72106 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

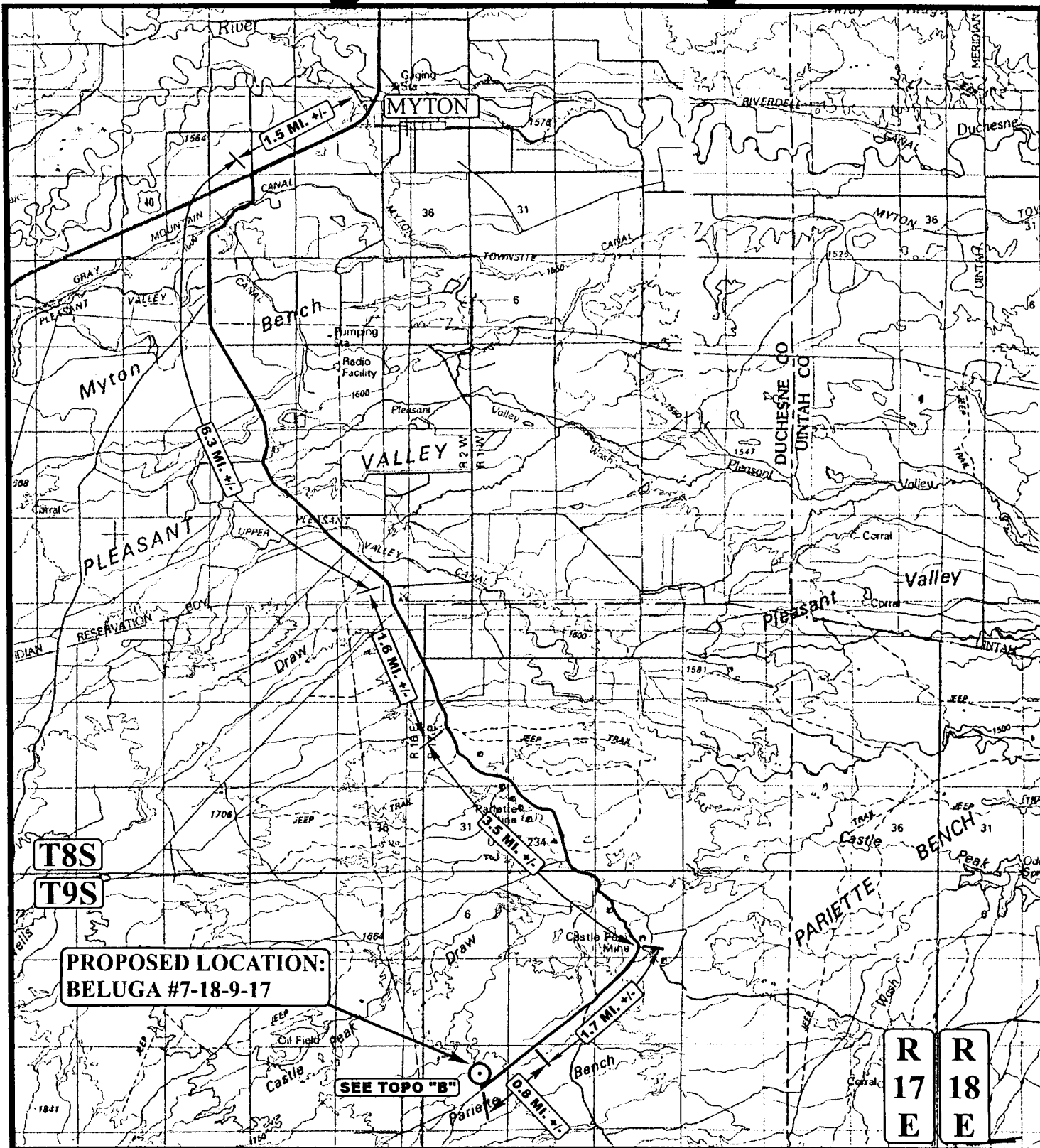
1/26/98

Date



Cheryl Cameron  
Regulatory Compliance Specialist





# LEGEND:

⊙ PROPOSED LOCATION

N

## INLAND PRODUCTION CO.

BELUGA #7-18-9-17

SECTION 18, T9S, R17E, S.L.B.&M.

2083' FNL 1873' FEL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

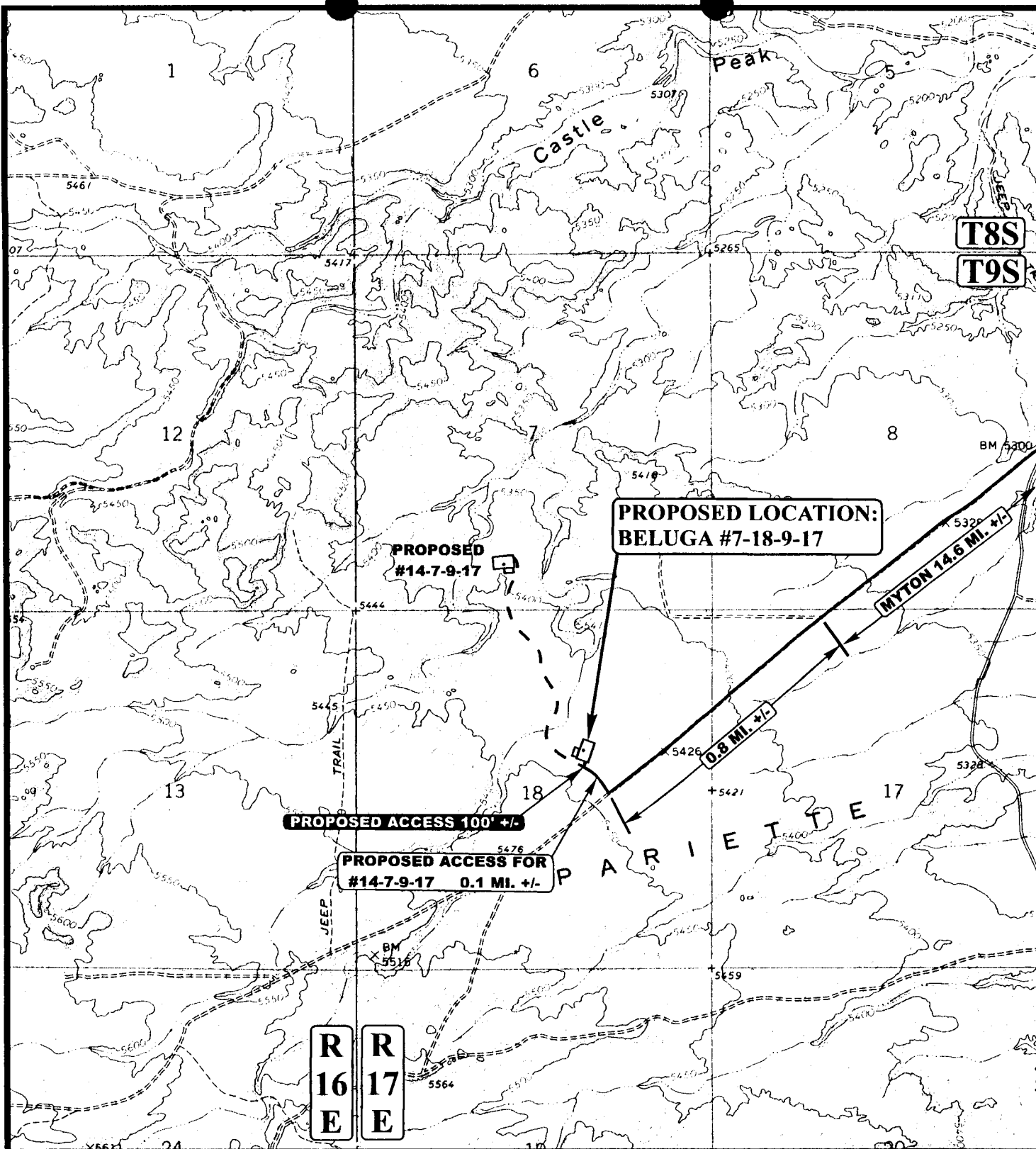
TOPOGRAPHIC  
MAP

1 15 98  
MONTH DAY YEAR

SCALE: 1 : 100,000 DRAWN BY: D.COX REVISED: 00-00-00







# **LEGEND:**

--- PROPOSED ACCESS ROAD  
 ——— EXISTING ROAD

N

## **INLAND PRODUCTION CO.**

**BELUGA #7-18-9-17**  
**SECTION 18, T9S, R17E, S.L.B.&M.**  
**2083' FNL 1873' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

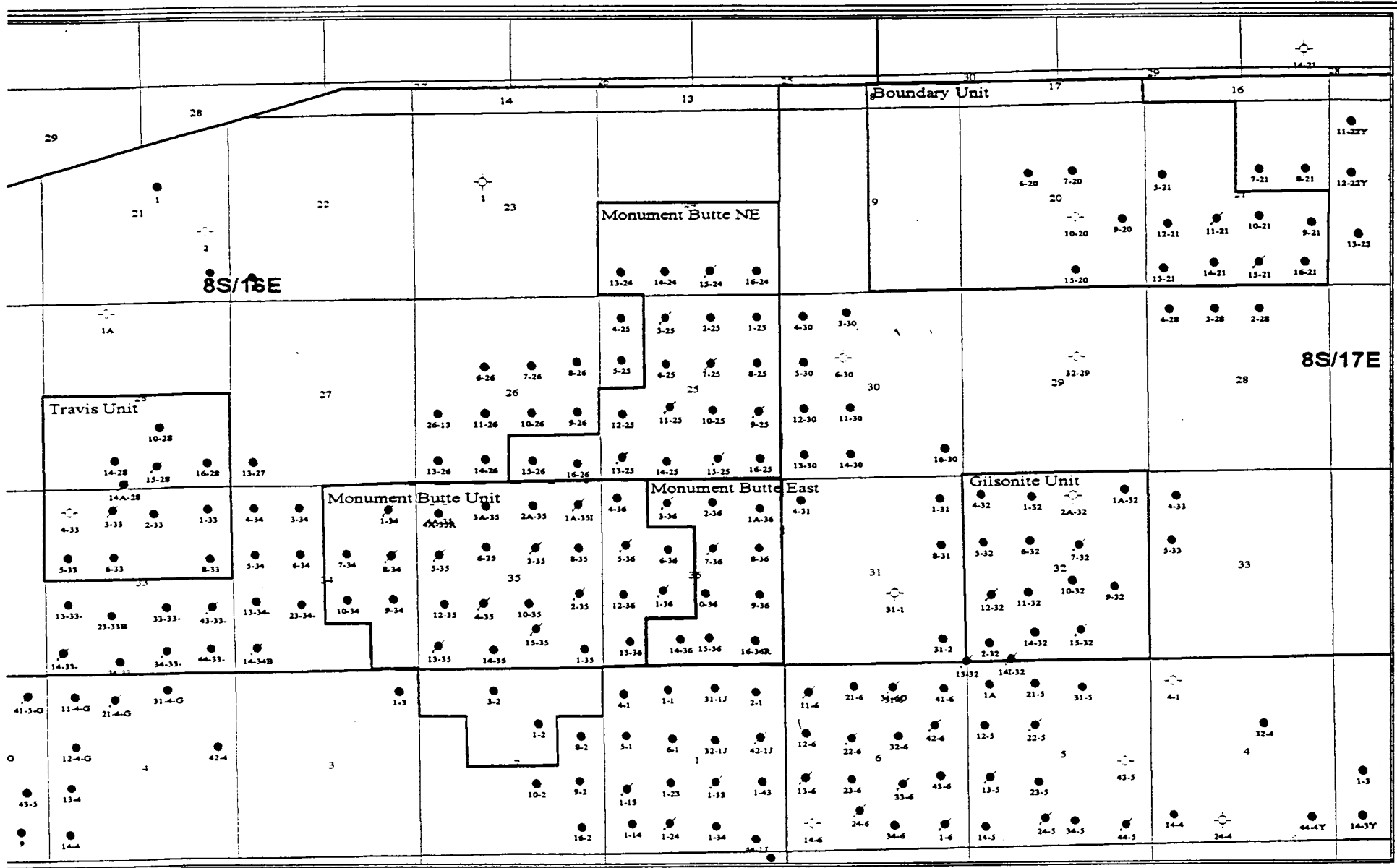
**1 15 98**  
 MONTH DAY YEAR


SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00

**B**  
 TOPO



# EXHIBIT "C"





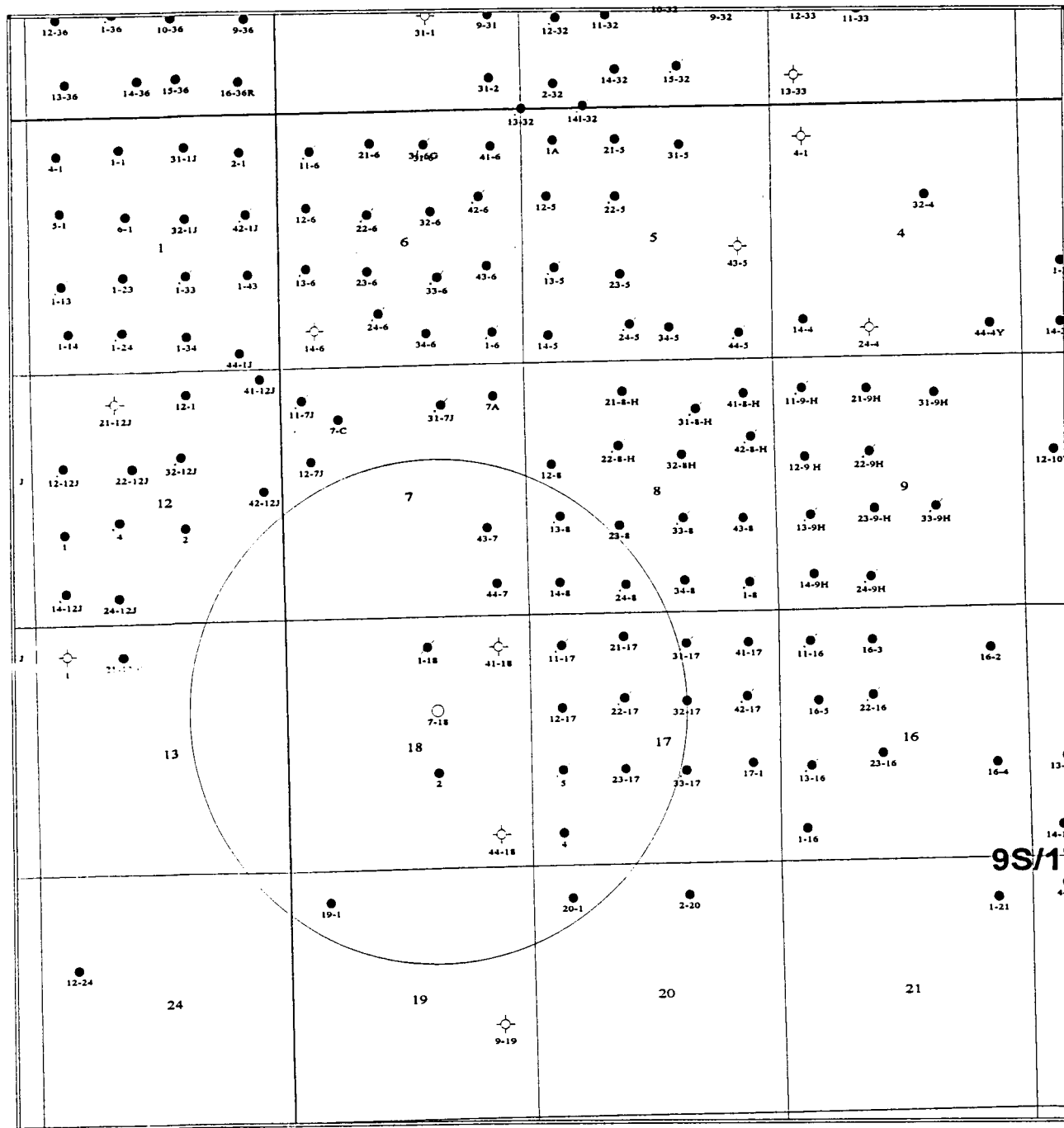
475 17th Street, Suite 1500  
 Denver, Colorado 80202  
 Phone: (303) 292-0900

**Regional Area**

Duchene County, Utah

Date: 4/15/97
J.A.





9S/17

EXHIBIT "D"

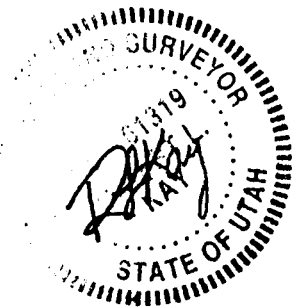
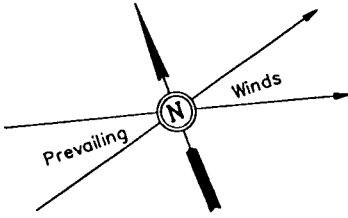
INLAND PRODUCTION COMPANY		
ONE MILE RADIUS Beluga #7-18		
Sea Anemone		1/598
Scale 1:40044.37		



## INLAND PRODUCTION CO.

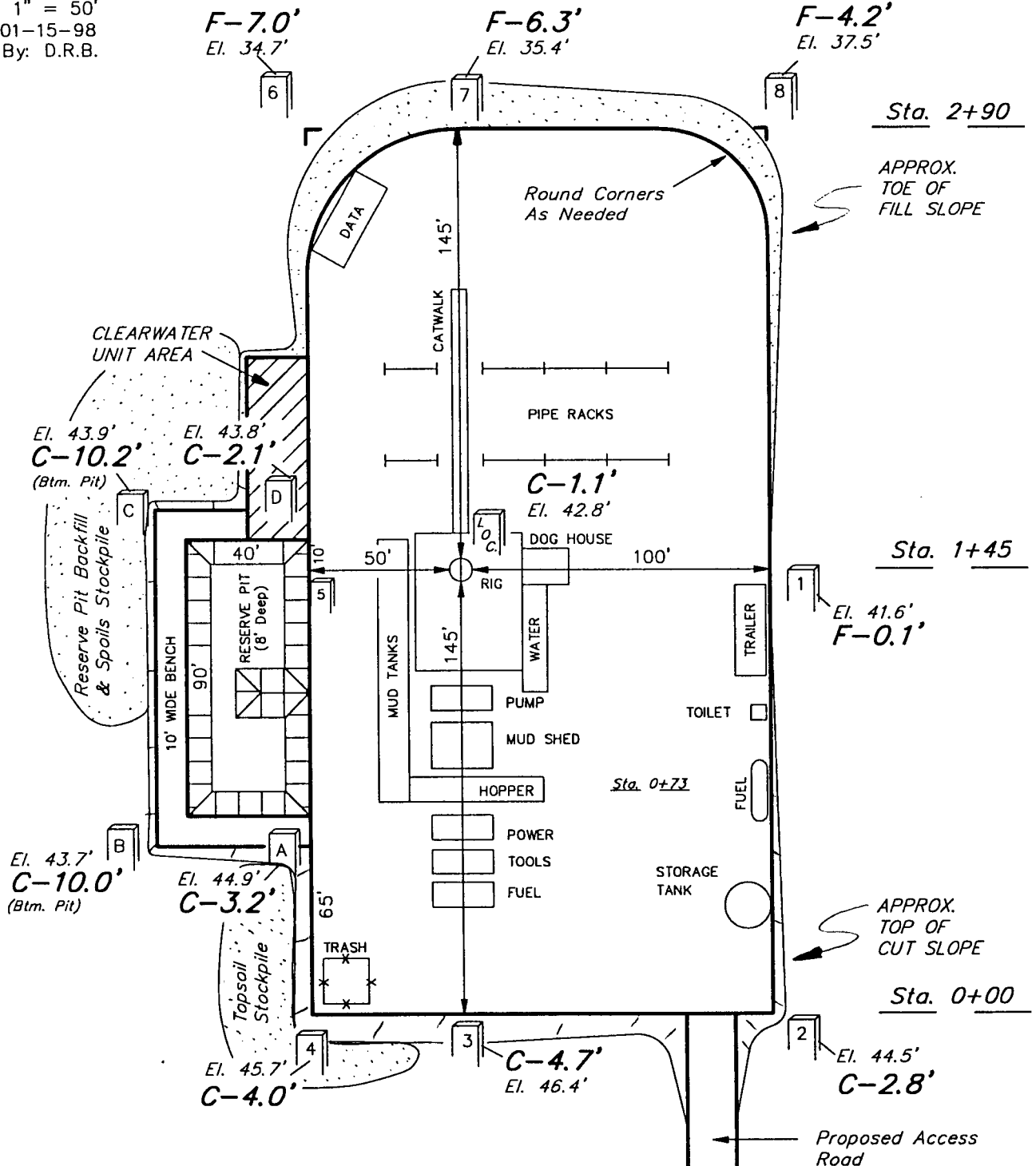
## LOCATION LAYOUT FOR

BELUGA #7-18-9-17  
SECTION 18, T9S, R17E, S.L.B.&M.  
2083' FNL 1873' FEL



SCALE: 1" = 50'  
Date: 01-15-98  
Drawn By: D.R.B.

NOTE:  
PIT CAPACITY  
WITH 2' OF  
FREEBOARD  
= 2,030 Bbls.



Elev. Ungraded Ground at Location Stake = **5442.8'**  
Elev. Graded Ground at Location Stake = **5441.7'**

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



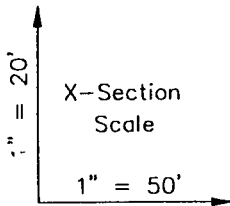
## INLAND PRODUCTION CO.

## TYPICAL CROSS SECTIONS FOR

BELUGA #7-18-9-17

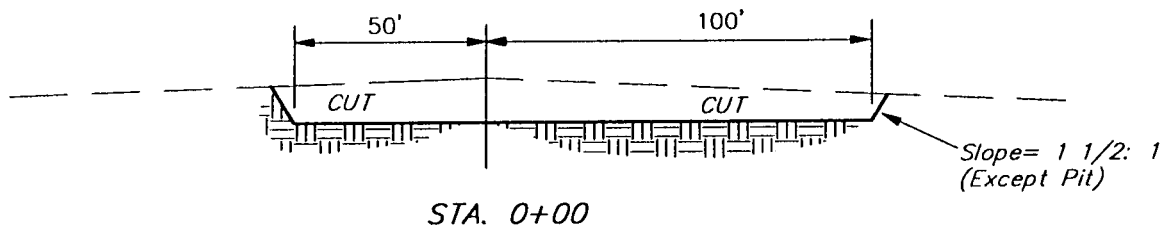
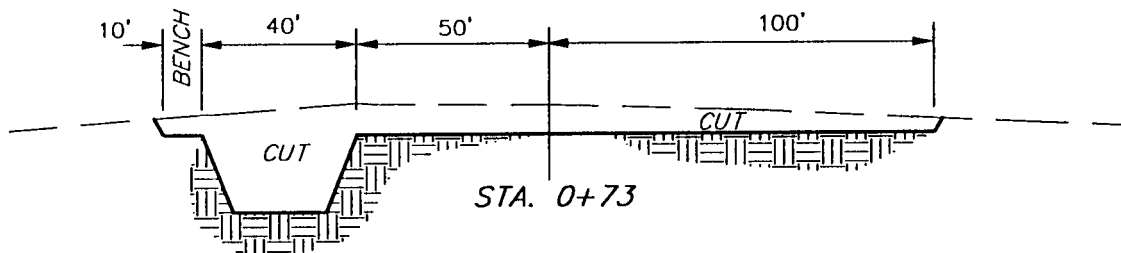
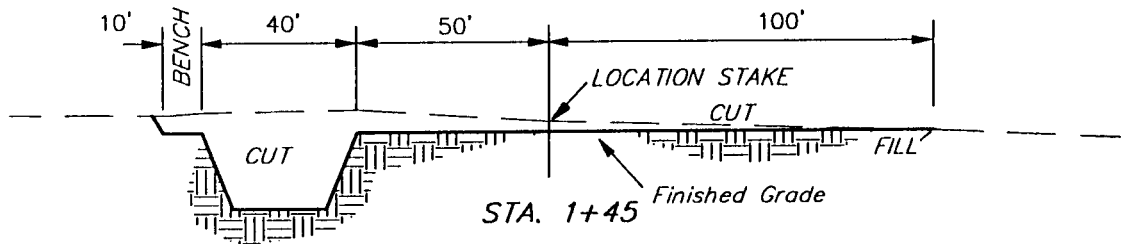
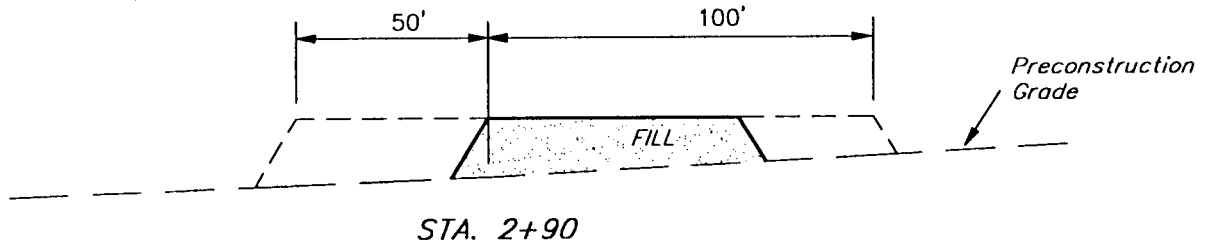
SECTION 18, T9S, R17E, S.L.B.&amp;M.

2083' FNL 1873' FEL



Date: 01-15-98

Drawn By: D.R.B.



## APPROXIMATE YARDAGES

## CUT

(6") Topsoil Stripping = 870 Cu. Yds.

Remaining Location = 2,860 Cu. Yds.

TOTAL CUT = 3,730 CU.YDS.

FILL = 2,400 CU.YDS.

## EXCESS MATERIAL AFTER

5% COMPACTION

= 1,200 Cu. Yds.

Topsoil &amp; Pit Backfill

= 1,200 Cu. Yds.

(1/2 Pit Vol.)

EXCESS MATERIAL After

= 0 Cu. Yds.

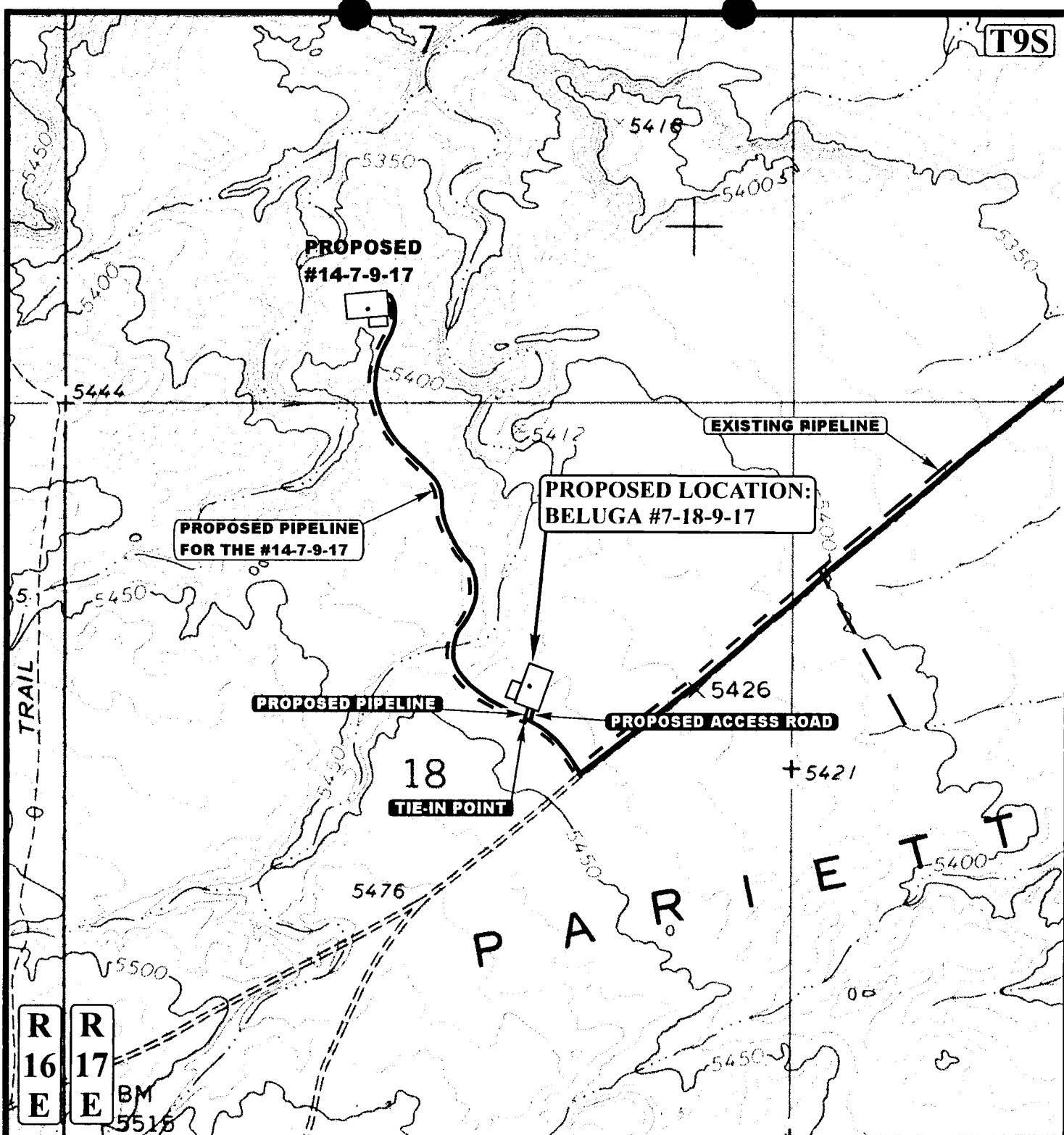
Reserve Pit is Backfilled &amp;

Topsoil is Re-distributed

UINTAH ENGINEERING &amp; LAND SURVEYING

85 So. 800 East • Vernal, Utah 84078 • (435) 789-1017





**APPROXIMATE TOTAL PIPELINE DISTANCE = 150' +/-**

**LEGEND:**

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS



**INLAND PRODUCTION CO.**

**BELUGA #7-18-9-17**  
**SECTION 18, T9S, R17E, S.L.B.&M.**  
**2083' FNL 1873' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**1 15 98**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: D.COX REVISED: 00-00-00





Well No.: Beluga 7-18-9-17

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Beluga 7-18-9-17

API Number:

Lease Number: UTU-72106

Location: SWNE Sec. 18, T9S, R17E

**GENERAL**

Access pad from S, off of existing improved road.

**CULTURAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**PALEONTOLOGICAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**WILDLIFE AND FISHERIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**BURROWING OWL:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.



## THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**MOUNTAIN PLOVER:** If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

OTHER



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/02/98

API NO. ASSIGNED: 43-013-32051

WELL NAME: BELUGA 7-18-9-17

OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:

SWNE 18 - T09S - R17E  
SURFACE: 2083-FNL-1873-FEL  
BOTTOM: 2083-FNL-1873-FEL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED

LEASE NUMBER: U - 72106

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY:    /    /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
          (Number 4488944)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
          (Number GILSONITE STATE 7-32)  
☒ RDCC Review (Y/N)  
          (Date: \_\_\_\_\_)

LOCATION AND SITING:

☒ R649-2-3. Unit: BELUGA  
\_\_\_\_ R649-3-2. General.  
\_\_\_\_ R649-3-3. Exception.  
\_\_\_\_ Drilling Unit.  
          Board Cause no: \_\_\_\_\_  
          Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_





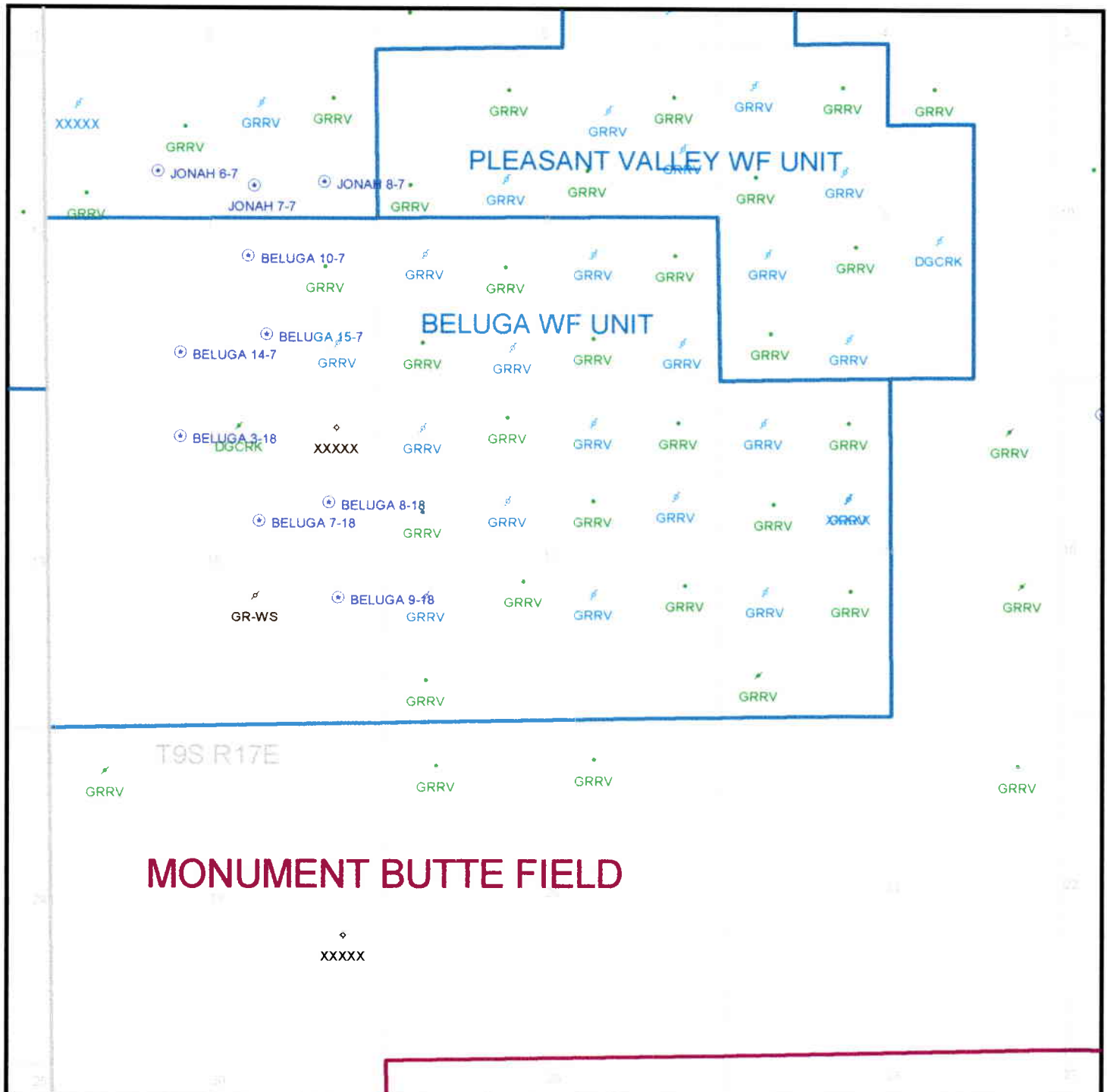
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. TWP. RNG.: SEC. 7 & 18, T9S, R17E

COUNTY: DUCHESNE UAC: R649-2-3 BELUGA WATERFLOOD



DATE PREPARED:  
4-FEB-1998





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

March 18, 1998

Inland Production Company  
P.O. Box 790233  
Vernal, Utah 84079

Re: Beluga 7-18-9-17 Well, 2083' FNL, 1873' FEL, SW NE, Sec. 18,  
T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32051.

Sincerely,

A handwritten signature in cursive script, reading 'John R. Baza'.

John R. Baza  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office



Operator: Inland Production Company  
Well Name & Number: Beluga 7-18-9-17  
API Number: 43-013-32051  
Lease: U-72106  
Location: SW NE Sec. 18 T. 9 S. R. 17 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.



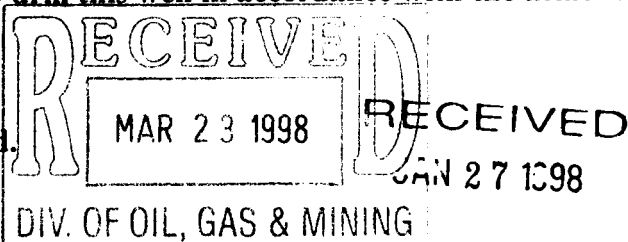
**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-72106</b>	
1b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/> ZONE <input type="checkbox"/> ZONE <input type="checkbox"/>		6. IF INDIAN, ALOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>P.O. Box 790233 Vernal, UT 84079</b> Phone: <b>(801) 789-1866</b>		8. FARM OR LEASE NAME <b>Beluga</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface <b>SW/NE</b> At proposed Prod. Zone <b>2083' FNL &amp; 1873' FEL</b>		9. WELL NO. <b>#7-18-9-17</b>	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 18, T9S, R17E</b>		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>14.6 Miles south of Myton, UT</b>		12. County <b>Duchesne</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1873'</b>		13. STATE <b>UT</b>	
16. NO. OF ACRES IN LEASE <b>1188.92</b>		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>6500'</b>		20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5441.7' GR</b>		22. APPROX. DATE WORK WILL START* <b>2nd Quarter 1998</b>	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
Refer to Monument Butte Field SOP's Drilling Program/Casing Design			

**Inland Production Company proposes to drill this well in accordance with the attached exhibits, "A" through "G".**

**The Conditions of Approval are attached.**



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Cheryl Cameron* TITLE **Regulatory Compliance Specialist** DATE **1/26/98**  
**Cheryl Cameron**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Assistant Field Manager* TITLE **Assistant Field Manager** DATE **03/17/1998**  
**Mineral Resources**

**CONDITIONS OF APPROVAL ATTACHED**

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOG-M



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Beluga 7-18-9-17

API Number: 43-013-32051

Lease Number: U -72106

Location: SWNE Sec. 07 T. 9S R. 17E

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.



## **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### **A. DRILLING PROGRAM**

#### **1. Casing Program and Auxiliary Equipment**

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 730$  ft.



**SURFACE USE PROGRAM  
Conditions of Approval (COAs)**

**Location Reclamation**

The following seed mixture will be used on the stock piled topsoil, reclamation of the reserve pit, and for final reclamation: (All poundages are in Pure Live Seed)

needle and thread	Agropyron smithii	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
fourwing saltbush	Atriplex canescens	4 lbs/acre
western wheatgrass	Agropyron smithii	2 lbs/acre

The location topsoil pile shall be seeded immediately after site construction by broadcasting the seed, then walking the topsoil pile with the dozer to plant the seed.

The reserve pit shall have a small amount of topsoil stock piled near by as shown on the cut sheet to be used to spread over the reserve pit area at the time the reserve pit is reclaimed.

Once the reserve pit is dry, it shall be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company  
ADDRESS 410 17th St., Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11880	43-013-32053	Beluga 8-18-9-17	SE/NE	18	09S	17E	Duchesne	4/27/98	
WELL 1 COMMENTS: Spud well w/ Union, Rig #7 @ 11:30 am 4/27/98 Beluga Unit Entities added 5-20-98. Lee											
A	99999	12369	43-013-32046	S. WELLS DRAW 12-10-9-16	NW/SW	10	9S	16E	Duchesne	4/23/98	
WELL 2 COMMENTS: Spud well w/ Big A, #46 @ 5:45 PM 4/23/98.											
A	99999	12370	43-013-32045	S. WELLS DRAW 11-10-9-16	NW/SW	10	09S	16E	Duchesne	4/21/98	
WELL 3 COMMENTS: Spud well w/ Big A, #46 @ 10:00 am, 4/21/98.											
A	99999	12371	43-013-31811	S. WELLS DRAW 5-10-9-16	SW/NW	10	09S	16E	Duchesne	4/28/98	
WELL 4 COMMENTS: Spud well w/ zcm Drilling @ 3:30 pm, 4/28/98											
B	99999	11880	43-013-32051	BELUGA 7-18-9-17	SW/NE	18	09S	17E	Duchesne	5/4/98	
WELL 5 COMMENTS: Spud well w/ Union #7 @ 10:00 am 5/4/98. Beluga Unit											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Shannon Smith  
Signature

Engineering Secretary 04/02/98  
Title Date

Phone No. (303) 382-4441

MAY 14 1998 4:05PM INLAND RESOURCES

No. 4164 P. 3/3



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO

Well Name: BELUGA 7-18-9-17

Api No. 43-013-32051

Section 18 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 7

SPUDDED:

Date 5/5/98

Time

How ROTARY

Drilling will commence

Reported by MIKE WARD

Telephone #

Date: 5/11/98 Signed: JLT

✓



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2083 FNL 1873 FEL SW/NE Section 18, T09S R17E**

5. Lease Designation and Serial No.

**U-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**BELUGA 7-18-9-17**

9. API Well No.

**43-013-32051**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

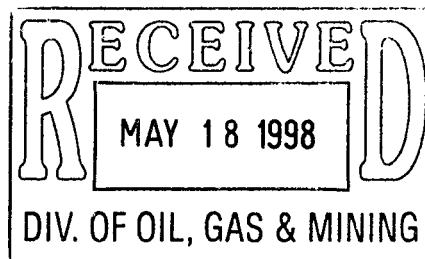
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Surface Spud**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MIRU. Drl and set 14' of conductor. **SPUD WELL @ 10:00 A.M., 5/4/98.** Drl & set MH & RH. Drl Kelly down, NU airbowl & flowline. PU head rubber. Drl 12 -1/4" hole 21' - 321', C & C. TOH, strip cellar, pull conductor. Run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg, WHI 2000 psi WP csg head (293'). Csg set @ 303'. RU Halliburton. Pmp 5 bbl dye wtr & 20 bbl gel. Cmt w/140 sx Premium Plus w/ 2% CC & 1/2 #/ sk flocele (15.6 ppg & 1.18 cf/sk yield). 4 bbl cmt returns. WOC. NU BOP's. Test BOP's.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

5/7/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**BELUGA 7-18-9-17**

9. API Well No.

**43-013-32051**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well



Oil  
Well



Gas  
Well



Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2083 FNL 1873 FEL**

**SW/NE Section 18, T09S R17E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**



Notice of Intent



Subsequent Report



Final Abandonment Notice

**TYPE OF ACTION**



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other **Weekly Status**



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



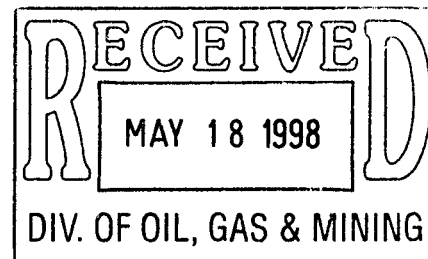
Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 4/30/98 - 5/6/98**

Test valves, lines, rams, & manifold to 2000 psi. Csg would not test. TIH w/cup pkr. Test csg to 1500 psi. TOH. TIH, blow casing down. Drl plug, cmt, & GS. Change out head rubber & install drivers. Drl & srvy 321'-1464'.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

5/7/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**BELUGA 7-18-9-17**

9. API Well No.

**43-013-32051**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

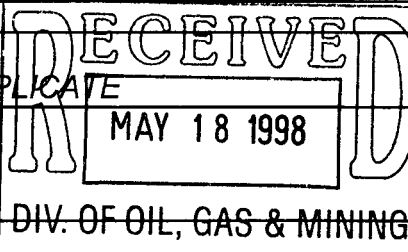
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2083 FNL 1873 FEL SW/NE Section 18, T09S R17E**



12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Status

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 5/7/98 - 5/13/98**

Drilled 7-7/8" hole w/Union, Rig #7 from 1464' - 5600'.

Finish LD DP & DC's. RU PSI. Run DIGL/SP/GR/CAL (5607' - 302') & CN/CD/GR (5587' - 3000'). Logger's TD 5607'. RD PSI. RU Lightning Casers. Run 5-1/2" GS, 1 jt 5-1/2" csg (42'), 130 jt 5-1/2", 15.5#, J-55, LT & Ccsg (5580'). Csg set @ 5590'. RD Casers. RU BJ. Break circulation. Pmp 20 bbl wtr & 20 bbl gel. Cmt w/250 sx 28:72 Poz Type III w/.5% SM, 6#/sk BA-91, 10% gel, 2#/sk Kol Seal, 1/4#/sk Cello Flake (11.0 ppg 3.42 cf/sk yield) & 275 sx Class "G" & 10% A-10 & .1% R-3 (14.4 ppg 1.54 cf/sk yield). POB w/2,000 psi, 4:1 pm, 5/10/98. Had 8 bbl cmt returns. RD BJ. ND BOP's. Set slips w/82,000#, dump tanks. RD. Rig released @ 6:15 pm, 5/10/98. RDMOL.

14. I hereby certify that the foregoing is true and correct

Signed Shannon Smith Title Engineering Secretary Date 5/14/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**BELUGA 7-18-9-17**

9. API Well No.

**43-013-32051**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2083 FNL 1873 FEL SW/NE Section 18, T09S R17E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Weekly Status**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

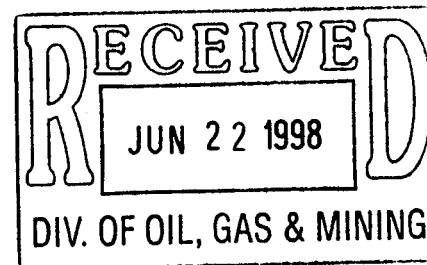
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 6/4/98 - 6/10/98**

Perf A sds @ 4950-57', 5014-20' & 5022-25'.

Perf D & C sds @ 4601-05', 4672-78' & 4756-59'.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

6/18/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**BELUGA 7-18-9-17**

9. API Well No.

**43-013-32051**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2083 FNL 1873 FEL SW/NE Section 18, T09S R17E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Status

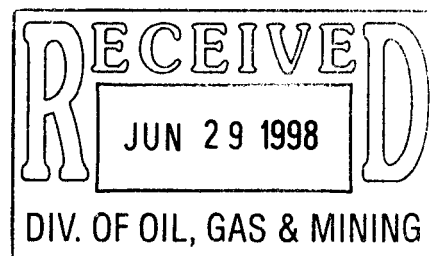
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 6/11/98 - 6/17/98**

Swab A sds, D & C sds to analyze wtr flow.  
Leave well Temporarily Abandoned.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

6/25/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 790233 Vernal, UT 84079 (435) 789-1866

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface SW/NE

At top prod. interval reported below 2083' FNL & 1873' FEL

At total depth

14. PERMIT NO.

43-013-32051

DATE ISSUED

3/17/98

15. DATE SPUDDED

5/4/98

16. DATE T.D. REACHED

5/9/98

17. DATE COMPL. (Ready to prod.)

6/8/98

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5441.7' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5600'

21. PLUG, BACK T.D., MD & TVD

5474'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Green River - Refer to Item #26

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGL/SP/GR/CAL - CN/CD/GR - CBL 9/22/98

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	303'	12 1/4	140 sx Prem + w/ 2% CC +	1/2#/sk Flocele
5 1/2	15.5#	5590'	7 7/8	250 sx Poz Type 111 + Add G & 10% A-10 & 1.1% R-3	& 275 sx Class

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	EOT @ 820' KB	

31. PERFORATION RECORD (Interval, size and number)

A 4950'-57', 5014'-20', 5022'-25'  
D/C 4601'-05', 4672'-78', 4756'-59'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Refer to Item	#37

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/8/98	24	16/64	→	1	0	200	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

N/A

35. LIST OF ATTACHMENTS

Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

Cheryl Cameron

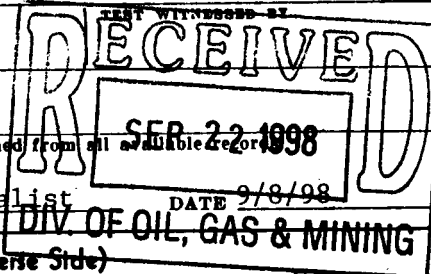
TITLE

Regulatory Specialist

DATE

9/8/98

\*(See Instructions and Spaces for Additional Data on Reverse Side)





38.

TOP	
MEAS. DEPTH	TRUE VERT. DEPTH

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	3709'		#32.			
Garden Gulch 2	3820'					
Point 3	4073'		Perf A sd 4950'-57', 5014'-20', 5022'-25'			
X Marker	4330'		Frac w/ 120,500# 20/40 sd in 582 bbls			
Y Marker	4366'		Viking 1-25 fluid			
Douglas Creek	4493'					
Bi- Carb	4725'		Perf D & C sd 4601'-05', 4672'-78',			
B-Lime	4840'		4756'-59'			
Castle Peak	5317'		Swab A sds, D & C sds to analyze wtr flow			
Basal Carb	NDE					



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>U-72106</b>	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
<b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input type="checkbox"/> <b>WELL</b> <input checked="" type="checkbox"/> <b>WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		<b>7. UNIT AGREEMENT NAME</b>  <b>BELUGA</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>8. FARM OR LEASE NAME</b> <b>BELUGA 7-18-9-17</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		<b>9. WELL NO.</b> <b>7-18-9-17</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/NE 2083' FNL &amp; 1873' FEL</b>		<b>10. FIELD AND POOL, OR WILDCAT</b>  <b>MONUMENT BUTTE</b>	
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>SW/NE Section 18, T09S R17E</b>	
<b>14. API NUMBER</b> <b>43-013-32051</b>	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5441.7 GR</b>	<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>	<b>13. STATE</b> <b>UT</b>

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) _____	<input type="checkbox"/>
(OTHER) Continue Shut In Status	<input checked="" type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland is requesting permission to extend the shut in status of the subject well. Inland is evaluating the waterflood pattern in the Beluga unit and intends on incorporating the subject well in the injection system as the field is developed. The wellbore is isolated with a wellhead and is frequently monitored by an Inland employee to ensure that no leaks exist.

18 I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE District Engineer DATE 5/12/99

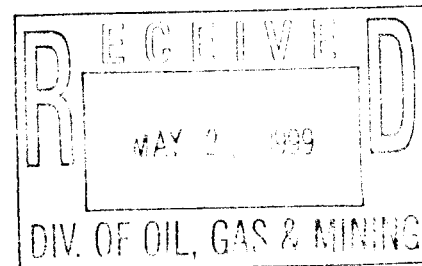
(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

\* See Instructions On Reverse Side

*Federal Approval of this  
Action is Necessary*

COPY SENT TO OPERATOR  
DATE 6-1-99  
BY CHB







## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State



ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer



UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****BELUGA (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 43-7	07	090S	170E	4301331432	11880	Federal	OW	P
BELUGA 15-7-9-17	07	090S	170E	4301331579	11880	Federal	OW	P
BELUGA 10-7-9-17	07	090S	170E	4301332048	11880	Federal	WI	A
BELUGA 14-7-9-17	07	090S	170E	4301332049	11880	Federal	WI	A
MON FED 33-8	08	090S	170E	4301331427	11880	Federal	WI	A
MON ST 23-16-9-17B	16	090S	170E	4301331578	11880	State	OW	P
MON ST 13-16-9-17B	16	090S	170E	4301331580	11880	State	WI	A
MON FED 31-17	17	090S	170E	4301331428	11880	Federal	WI	A
MON FED 22-17	17	090S	170E	4301331429	11880	Federal	WI	A
BALCRON MON FED 12-17	17	090S	170E	4301331431	11880	Federal	OW	P
MONUMENT FED 32-17	17	090S	170E	4301331465	11880	Federal	OW	P
MONUMENT FED 41-17	17	090S	170E	4301331466	11880	Federal	OW	P
BALCRON MON FED 42-17	17	090S	170E	4301331467	11880	Federal	WI	A
MON FED 33-17-9-17B	17	090S	170E	4301331581	11880	Federal	WI	A
MON FED 23-17-9-17B	17	090S	170E	4301331582	11880	Federal	OW	P
BELUGA 3-18-9-17	18	090S	170E	4301332050	11880	Federal	OW	P
BELUGA 7-18-9-17	18	090S	170E	4301332051	11880	Federal	OW	TA
BELUGA 8-18-9-17	18	090S	170E	4301332052	11880	Federal	WI	A
BELUGA 9-18-9-17	18	090S	170E	4301332053	11880	Federal	OW	P
BELUGA U 4-18-9-17	18	090S	170E	4301332274	11880	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-72106
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2083 FNL 1873 FEL		8. WELL NAME and NUMBER: BELUGA 7-18-9-17
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 18, T9S, R17E		9. API NUMBER: 4301332051
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 06/29/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 1-yr MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 06/29/2010 Ryan Angus with the State of Utah BLM was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 06/29/2010. On 06/29/2010 the csg was pressured up to 1050 psig and charted for 30 minute with no pressure loss. ~~There was a State representative available to witness the test. Mark Jones.~~

API# 43-013-32051

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 06/30/2010

(This space for State use only)

**RECEIVED**

**JUL 01 2010**

DIV. OF OIL, GAS & MINING



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 06/29/10  
Test conducted by: Dale Giles  
Others present: \_\_\_\_\_

Well Name: <u>Beluga Federal 7-18-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: _____		
Location: _____	Sec: <u>18</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1</u> / <u>1</u> / _____	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>NA</u> psig	psig	psig
End of test pressure	psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1050</u> psig	psig	psig
5 minutes	<u>1050</u> psig	psig	psig
10 minutes	<u>1050</u> psig	psig	psig
15 minutes	<u>1050</u> psig	psig	psig
20 minutes	<u>1050</u> psig	psig	psig
25 minutes	<u>1050</u> psig	psig	psig
30 minutes	<u>1050</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

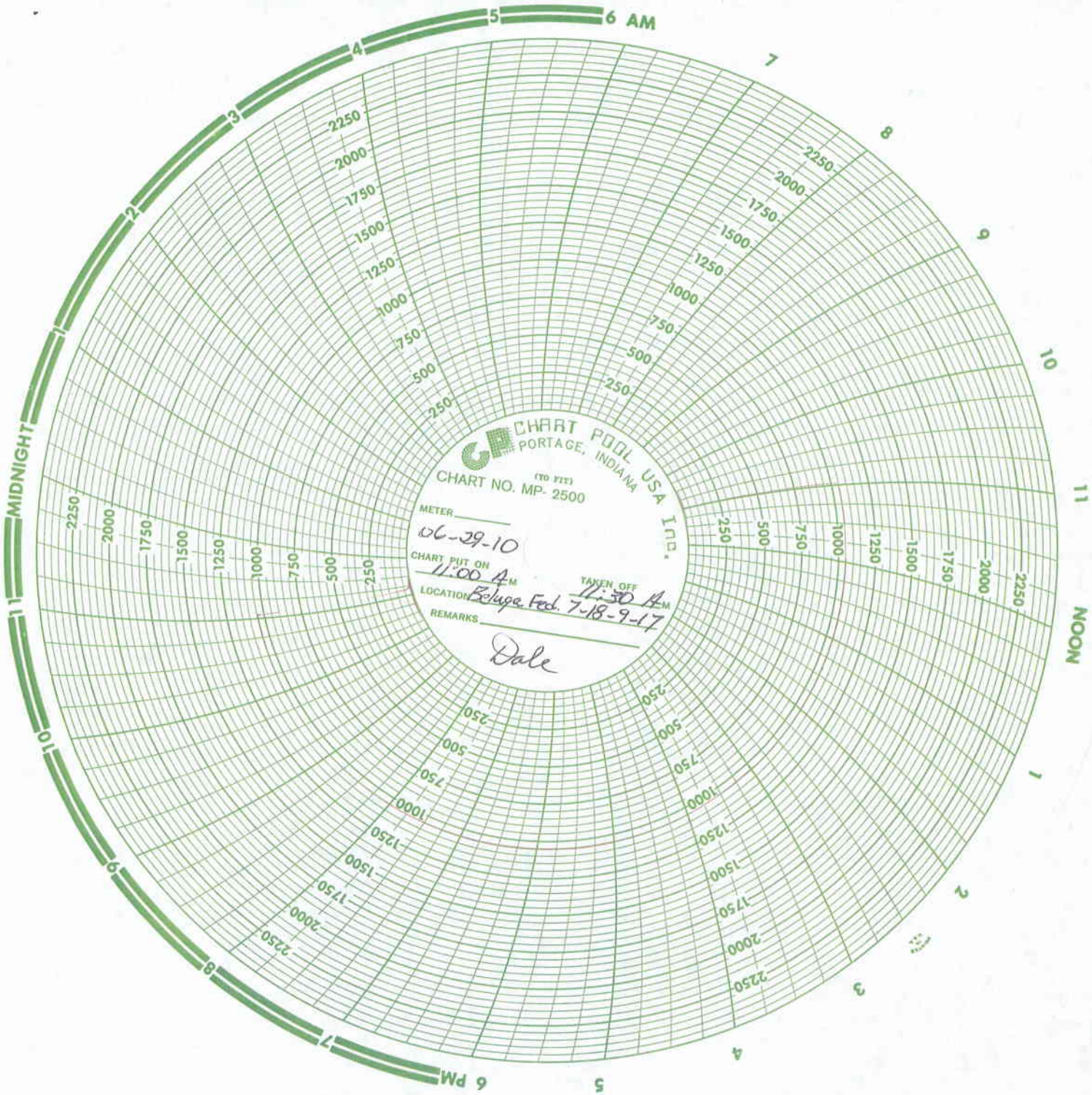
Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_







<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> BELUGA 7-18-9-17
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2083 FNL 1873 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013320510000
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/13/2011	OTHER: <input style="width: 100px;" type="text" value="1 YR MIT"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> An MIT was performed on the above listed temporarily abandon well. On 07/11/2011 Dennis Ingram with the State of Utah was contacted concerning the MIT on the above listed well. On 07/13/2011 the csg was pressured up to 1360 psig and charted for 30 minute with no pressure loss. There was not a State representative available to witness the test.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/18/2011	



# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 7/13/11 Time 11:25 am pm  
Test Conducted by: BEN GIBBS  
Others Present: \_\_\_\_\_

Well: <u>NEWFIELD - FED 7-18-9-17</u>	Field: <u>MON. BUTTE</u>
Well Location: <u>SW/NE SEC 18-T9S-R1E</u>	API No: <u>43-613-32051</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1360</u>	psig
5	<u>1360</u>	psig
10	<u>1360</u>	psig
15	<u>1360</u>	psig
20	<u>1360</u>	psig
25	<u>1360</u>	psig
30 min	<u>1362</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

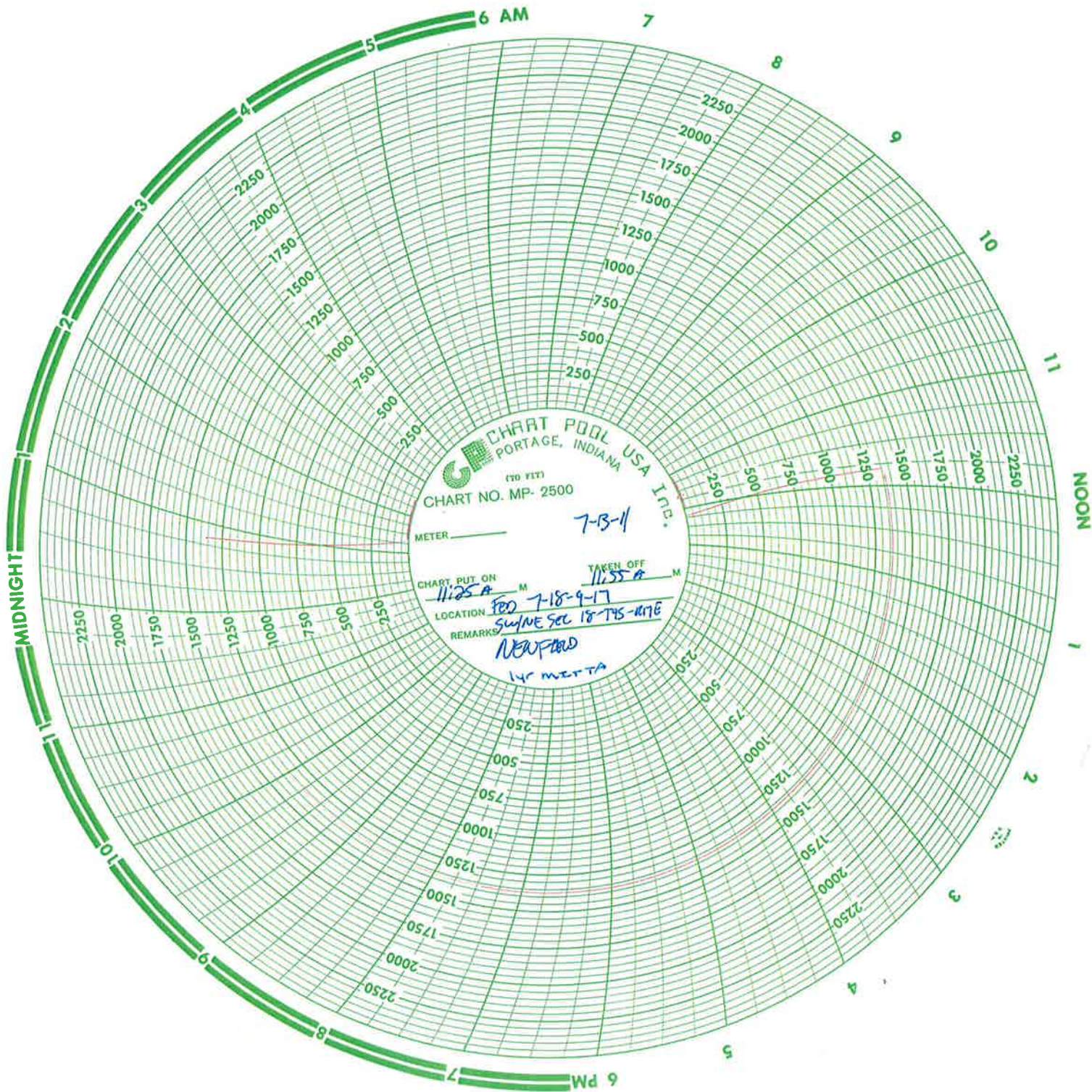
Tubing pressure: 0 - Abandoned Well psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: B. Gibbs







UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2083 FNL 1873 FEL

NESW Section 18 T9S R17E

5. Lease Serial No.

USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

BELUGA 7-18-9-17

9. API Well No.

4301332051

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

**RECEIVED**

**DEC 29 2011**

**DIV. OF OIL, GAS & MINING**

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Jill Lovle

Signature

Title

Regulatory Technician

Date

12/21/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

MAR 20 2012

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

RECEIVED  
MAR 28 2012  
DIV. OF OIL, GAS & MINING

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, Colorado 80202

Accepted by the  
Utah Division of  
Oil, Gas and Mining

**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Additional Well to Beluga Area Permit  
EPA UIC Permit UT20798-09448  
Well: Beluga 7-18-9-17  
SWNE Sec. 18-T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-32051

Dear Mr. Sundberg:


The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the temporarily abandoned oil well Beluga 7-18-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Beluga Area Permit No. UT20798-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.



If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-UIC.

Sincerely,

  
for Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well  
Proposed Conversion Wellbore Schematic for Beluga 7-18-9-17

cc: Letter Only:

Uintah & Ouray Business Committee:

Irene Cuch, Chairman  
Ronald Wopsock, Vice-Chairman  
Frances Poowegup, Councilwoman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Richard Jenks, Jr., Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office



Reed Durfey  
District Manager  
Newfield Production Company  
Myton, Utah





# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

## AUTHORIZATION FOR ADDITIONAL WELL

### UIC Area Permit UT20798-00000

The Beluga Final UIC Area Permit UT20798-00000, effective October 25, 1996, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 21, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Beluga 7-18-9-17
EPA Permit ID Number:	UT20798-09448
Location:	2083' FNL & 1873' FEL SWNE Sec. 18-T9S-R17E Duchesne County, Utah API #43-013-32051


Pursuant to 40 CFR §144.33, Area UIC Permit UT20798-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20798-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 3/19/12

**Callie A. Videtich**

 \*Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20798-00000  
Well: Beluga 7-18-9-17 EPA Well ID: UT20798-09448

Printed on Recycled Paper



## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: Beluga 7-18-9-17  
EPA Well ID Number: UT20798-09448

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone;
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**Note:** All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

**Approved Injection Interval:** The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,750 psig, based on the calculation  $MAIP = [FG - (0.433)(SG)] * D$ , where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.82 psi/ft, SG is 1.015 and D is 4,601 ft.

UIC Area Permit No. UT20798-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c).

Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.



**Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost



casing string, centered on the contact between the Green River Formation and Uinta Formation.

(4) Isolate Surface Fluid Migration Paths:

- a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
- b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
- c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

### **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: Beluga 7-18-9-17  
EPA Well ID Number: UT20798-09448

**Underground Sources of Drinking Water (USDWs):** USDWs in the Beluga Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 442 ft. below ground surface in the Beluga 7-18-9-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

**http:NRWRT1.NR.STATE.UT.US:** According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

**Composition of Source, Formation, and Injectate Water:** A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20798-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation

Authorization for Additional Well: UIC Area Permit UT20798-00000  
Well: Beluga 7-18-9-17 EPA Well ID: UT20798-09448



fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

**Confining Zone:** A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

**Injection Zone:** An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

**Well Construction:** This well was constructed according to BLM requirements and controls for production wells at the time of well completion. EPA has reviewed and approved the construction and determined that it is adequate to protect USDWs.

**Surface Casing:** 8-5/8" casing is set at 303 ft. in a 12-1/4" hole, using 140 sacks premium cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5,590 ft. in a 7-7/8" hole secured with 525 sacks of cement. Total driller depth is 5,600 ft. Plugged back total depth is 5,474 ft. EPA calculates top of cement at 2,114 ft. Estimated CBL top of cement at surface.

**Perforations:** Top perforation: 4,601 ft. Bottom perforation: 5,025 ft.

### **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following three wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Beluga 7-18-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Pomco Federal 1-18-9-17 UIC Permit UT2078-04660.	API: 43-013-30332	NWNE Sec. 18-T9S-R17E
---	-------------------	-----------------------

Pomco 2-18-9-17 UIC Permit UT20798-04661.	API: 43-013-30505	NWSE Sec. 18-T9S-R17E
--	-------------------	-----------------------

*Authorization for Additional Well: UIC Area Permit UT20798-00000*  
*Well: Beluga 7-18-9-17 EPA Well ID: UT20798-09448*



Beluga 8-18-9-17

API: 43-013-32052

SENE Sec. 18-T9S-R17E

UIC Permit UT20798-04480

Radioactive Tracer Survey: January 30, 2009.

**No Corrective Action Required on AOR wells:** EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

**Reporting of Noncompliance:**

- 1) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- 3) (Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**



**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.



# Beluga 7-18-9-17

Spud Date: 5-4-98

Put on Production: Well shut-in

GL: 5441.7' KB: 10.00'

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (293')

DEPTH LANDED: 303'

HOLE SIZE: 12-1/4"

CEMENT DATA: 140 sx Premium, est 4 bbl to surface

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 131 jts. (5580')

DEPTH LANDED: 5590'

HOLE SIZE: 7-7/8"

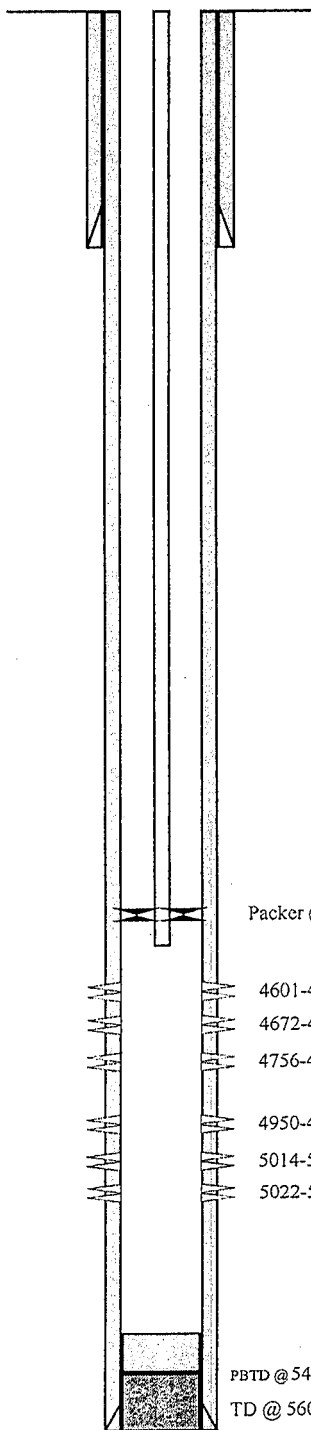
CEMENT DATA: 250 sx 28:72 Poz Type III & 275 sx Class G

CEMENT TOP AT: Surface

## TUBING

KB 10.00'

## Proposed Injection Wellbore Diagram



## FRAC JOB

6-6-98 4950'-5025' Frac A sand as follows:  
120,500# 20/40 sand in 582 bbls  
Viking. Perfs broke @ 3410 psi.  
Treated w/avg press of 2118 psi,  
w/avg rate of 30.4 BPM. ISIP-  
2100 psi, 5 min 1934 psi.

6-9-98 4601'-4759' Swab C & D sand  
7-1-09 Temporary Abandonment  
6-29-10 1 yr MIT

## PERFORATION RECORD

6-5-98	4950-4957'	4 SPF	28 holes
6-5-98	5014-5020'	4 SPF	24 holes
6-5-98	5022-5025'	4 SPF	12 holes
6-7-98	4601-4605'	4 SPF	16 holes
6-7-98	4672-4678'	4 SPF	24 holes
6-7-98	4756-4759'	4 SPF	12 holes

## NEWFIELD

Beluga 7-18-9-17

2083 FNL 1873 FEL

SWNE Section 18-T9S-R18E

Duchesne Co, Utah

API #43-013-32051; Lease #U-72106

KC 7-8-10





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

MAR 20 2012

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

RECEIVED  
MAR 28 2012  
DIV. OF OIL, GAS & MINING

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, Colorado 80202

Accepted by the  
Utah Division of  
Oil, Gas and Mining

**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Additional Well to Beluga Area Permit  
EPA UIC Permit UT20798-09448  
Well: Beluga 7-18-9-17  
SWNE Sec. 18-T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-32051

Dear Mr. Sundberg:


The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the temporarily abandoned oil well Beluga 7-18-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Beluga Area Permit No. UT20798-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.



If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-UIC.

Sincerely,

  
for Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well  
Proposed Conversion Wellbore Schematic for Beluga 7-18-9-17

cc: Letter Only:

Uintah & Ouray Business Committee:

Irene Cuch, Chairman  
Ronald Wopsock, Vice-Chairman  
Frances Poowegup, Councilwoman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Richard Jenks, Jr., Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office



Reed Durfey  
District Manager  
Newfield Production Company  
Myton, Utah





# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 WYNKOOP STREET

DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

## AUTHORIZATION FOR ADDITIONAL WELL

### UIC Area Permit UT20798-00000

The Beluga Final UIC Area Permit UT20798-00000, effective October 25, 1996, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 21, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Beluga 7-18-9-17
EPA Permit ID Number:	UT20798-09448
Location:	2083' FNL & 1873' FEL SWNE Sec. 18-T9S-R17E Duchesne County, Utah API #43-013-32051


Pursuant to 40 CFR §144.33, Area UIC Permit UT20798-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20798-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 3/19/12

**Callie A. Videtich**

 \*Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*



## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: Beluga 7-18-9-17  
EPA Well ID Number: UT20798-09448

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone;
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**Note:** All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

**Approved Injection Interval:** The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,750 psig, based on the calculation  $MAIP = [FG - (0.433)(SG)] * D$ , where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.82 psi/ft, SG is 1.015 and D is 4,601 ft.

UIC Area Permit No. UT20798-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c).

Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.



**Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost



casing string, centered on the contact between the Green River Formation and Uinta Formation.

(4) Isolate Surface Fluid Migration Paths:

- a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
- b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
- c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

### **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: Beluga 7-18-9-17  
EPA Well ID Number: UT20798-09448

**Underground Sources of Drinking Water (USDWs):** USDWs in the Beluga Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 442 ft. below ground surface in the Beluga 7-18-9-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

**http:NRWRT1.NR.STATE.UT.US:** According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

**Composition of Source, Formation, and Injectate Water:** A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20798-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation

Authorization for Additional Well: UIC Area Permit UT20798-00000  
Well: Beluga 7-18-9-17 EPA Well ID: UT20798-09448



fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

**Confining Zone:** A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

**Injection Zone:** An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

**Well Construction:** This well was constructed according to BLM requirements and controls for production wells at the time of well completion. EPA has reviewed and approved the construction and determined that it is adequate to protect USDWs.

**Surface Casing:** 8-5/8" casing is set at 303 ft. in a 12-1/4" hole, using 140 sacks premium cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5,590 ft. in a 7-7/8" hole secured with 525 sacks of cement. Total driller depth is 5,600 ft. Plugged back total depth is 5,474 ft. EPA calculates top of cement at 2,114 ft. Estimated CBL top of cement at surface.

**Perforations:** Top perforation: 4,601 ft. Bottom perforation: 5,025 ft.

### **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following three wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Beluga 7-18-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Pomco Federal 1-18-9-17 UIC Permit UT2078-04660.	API: 43-013-30332	NWNE Sec. 18-T9S-R17E
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Pomco 2-18-9-17 UIC Permit UT20798-04661.	API: 43-013-30505	NWSE Sec. 18-T9S-R17E
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*Authorization for Additional Well: UIC Area Permit UT20798-00000*  
*Well: Beluga 7-18-9-17 EPA Well ID: UT20798-09448*



Beluga 8-18-9-17

API: 43-013-32052

SENE Sec. 18-T9S-R17E

UIC Permit UT20798-04480

Radioactive Tracer Survey: January 30, 2009.

**No Corrective Action Required on AOR wells:** EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

**Reporting of Noncompliance:**

- 1) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- 3) (Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**



**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.



# Beluga 7-18-9-17

Spud Date: 5-4-98

Put on Production: Well shut-in

GL: 5441.7' KB: 10.00'

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (293')

DEPTH LANDED: 303'

HOLE SIZE: 12-1/4"

CEMENT DATA: 140 sx Premium, est 4 bbl to surface

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 131 jts. (5580')

DEPTH LANDED: 5590'

HOLE SIZE: 7-7/8"

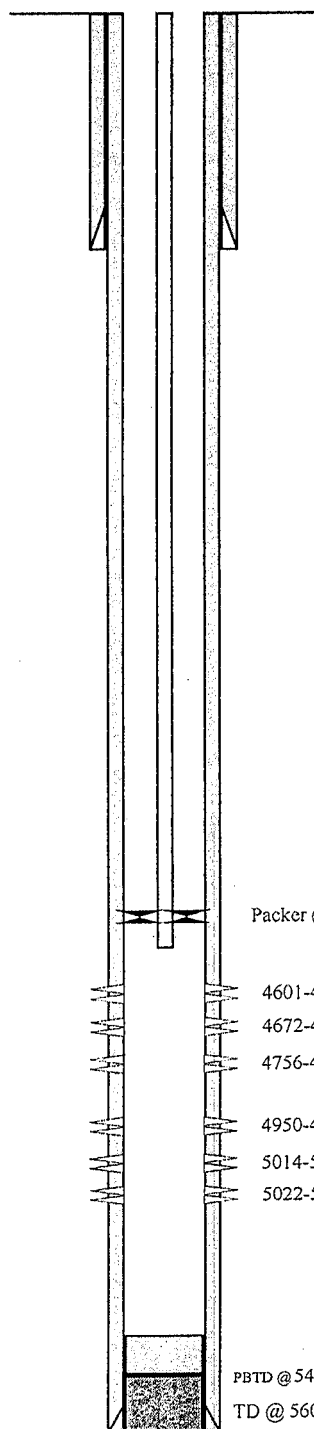
CEMENT DATA: 250 sx 28:72 Poz Type III & 275 sx Class G

CEMENT TOP AT: Surface

## TUBING

KB 10.00'

## Proposed Injection Wellbore Diagram



## FRAC JOB

6-6-98 4950'-5025' Frac A sand as follows:  
120,500# 20/40 sand in 582 bbls  
Viking. Perfs broke @ 3410 psi.  
Treated w/avg press of 2118 psi,  
w/avg rate of 30.4 BPM. ISIP-  
2100 psi, 5 min 1934 psi.

6-9-98 4601'-4759' Swab C & D sand  
7-1-09 Temporary Abandonment  
6-29-10 1 yr MIT

Packer @ 4500'

4601-4605'

4672-4678'

4756-4759'

4950-4957'

5014-5020'

5022-5025'

## PERFORATION RECORD

6-5-98	4950-4957'	4 SPF	28 holes
6-5-98	5014-5020'	4 SPF	24 holes
6-5-98	5022-5025'	4 SPF	12 holes
6-7-98	4601-4605'	4 SPF	16 holes
6-7-98	4672-4678'	4 SPF	24 holes
6-7-98	4756-4759'	4 SPF	12 holes

PBTD @ 5474'

TD @ 5600'

**NEWFIELD**

**Beluga 7-18-9-17**

2083 FNL 1873 FEL

SWNE Section 18-T9S-R18E

Duchesne Co, Utah

API #43-013-32051; Lease #U-72106

KC 7-8-10



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> BELUGA 7-18-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2083 FNL 1873 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013320510000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/26/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input checked="" type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  An MIT was performed on the above listed temporarily abandon well. On 06/19/2012 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/26/2012 the csg was pressured up to 1000 psig and charted for 30 minute with no pressure loss. There was a State representative available to witness the test - Chris Jensen.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          June 28, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/28/2012	



# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 6/26/12 Time 2:00 am (pm)

Test Conducted by: Eric Park

Others Present: \_\_\_\_\_

Well: Beluga 7-18-9-17

Field: movement Butte

Well Location:

API No: 43-013-32051

SW/NE Sec. 18, T9S, R17E

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1000</u>	psig
5	<u>1000</u>	psig
10	<u>1000</u>	psig
15	<u>1000</u>	psig
20	<u>1000</u>	psig
25	<u>1000</u>	psig
30 min	<u>1000</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:

Pass

Fail

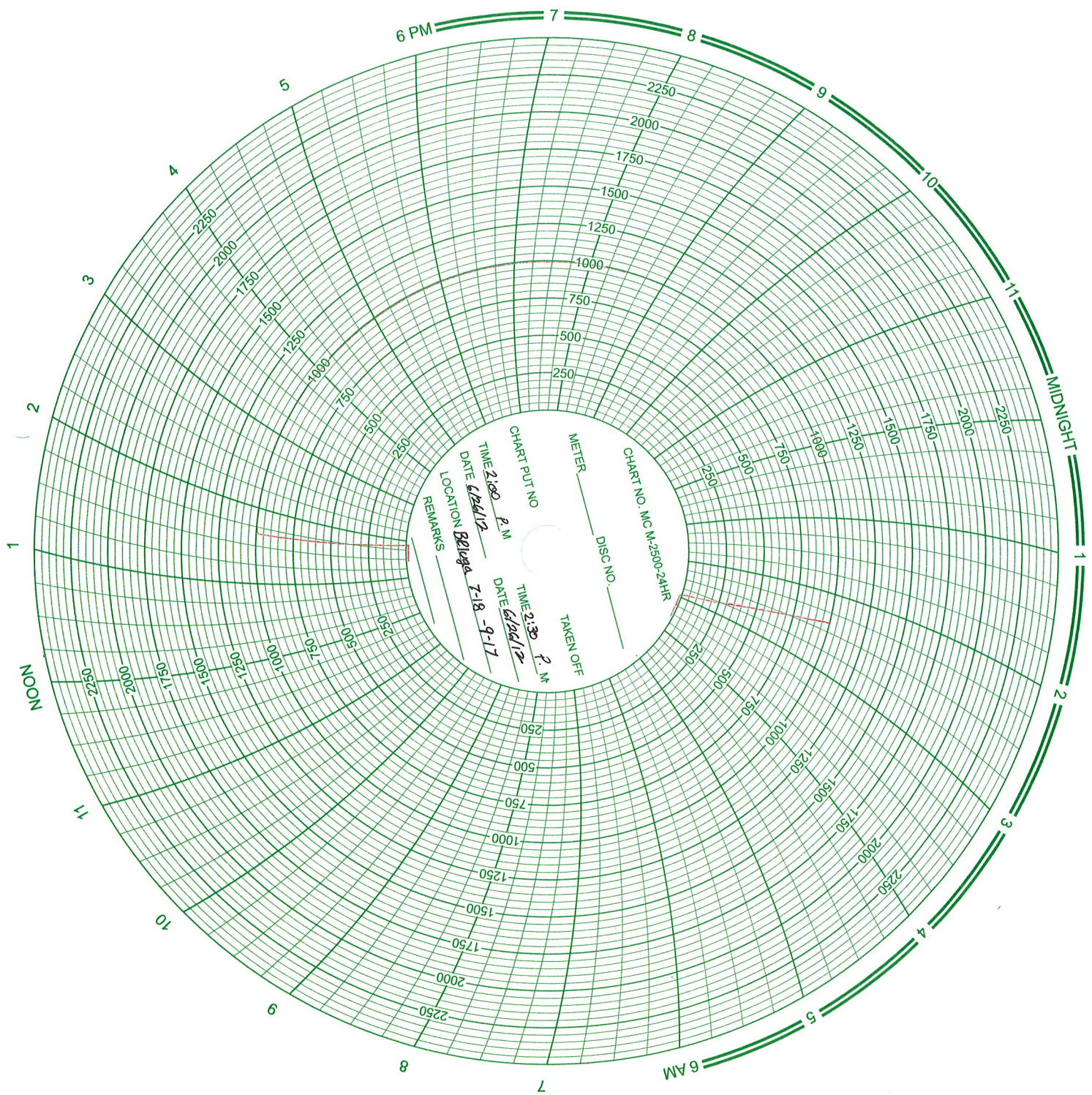
Signature of Witness:

[Signature]

Signature of Person Conducting Test:

Eric Park







<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> BELUGA 7-18-9-17
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>9. API NUMBER:</b> 43013320510000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2083 FNL 1873 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 09.0S Range: 17.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/16/2012				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/16/2012. On 11/12/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 560 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-09448

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 21, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/20/2012



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 11 / 16 / 2012  
Test conducted by: Cody Marx  
Others present: \_\_\_\_\_

*UT20798-09448*

Well Name: <u>Beluga 7-18-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: _____ Sec: _____ T _____ N / S R _____ E / W	County: <u>Duchesne</u> State: <u>Ut</u>	
Operator: <u>Cody Marx</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test? ☐ Yes ☒ No  
Initial test for permit? ☒ Yes ☐ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 1700 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>560</u> psig	psig	psig
End of test pressure	<u>560</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1700</u> psig	psig	psig
5 minutes	<u>1700</u> psig	psig	psig
10 minutes	<u>1700</u> psig	psig	psig
15 minutes	<u>1700</u> psig	psig	psig
20 minutes	<u>1700</u> psig	psig	psig
25 minutes	<u>1700</u> psig	psig	psig
30 minutes	<u>1700</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

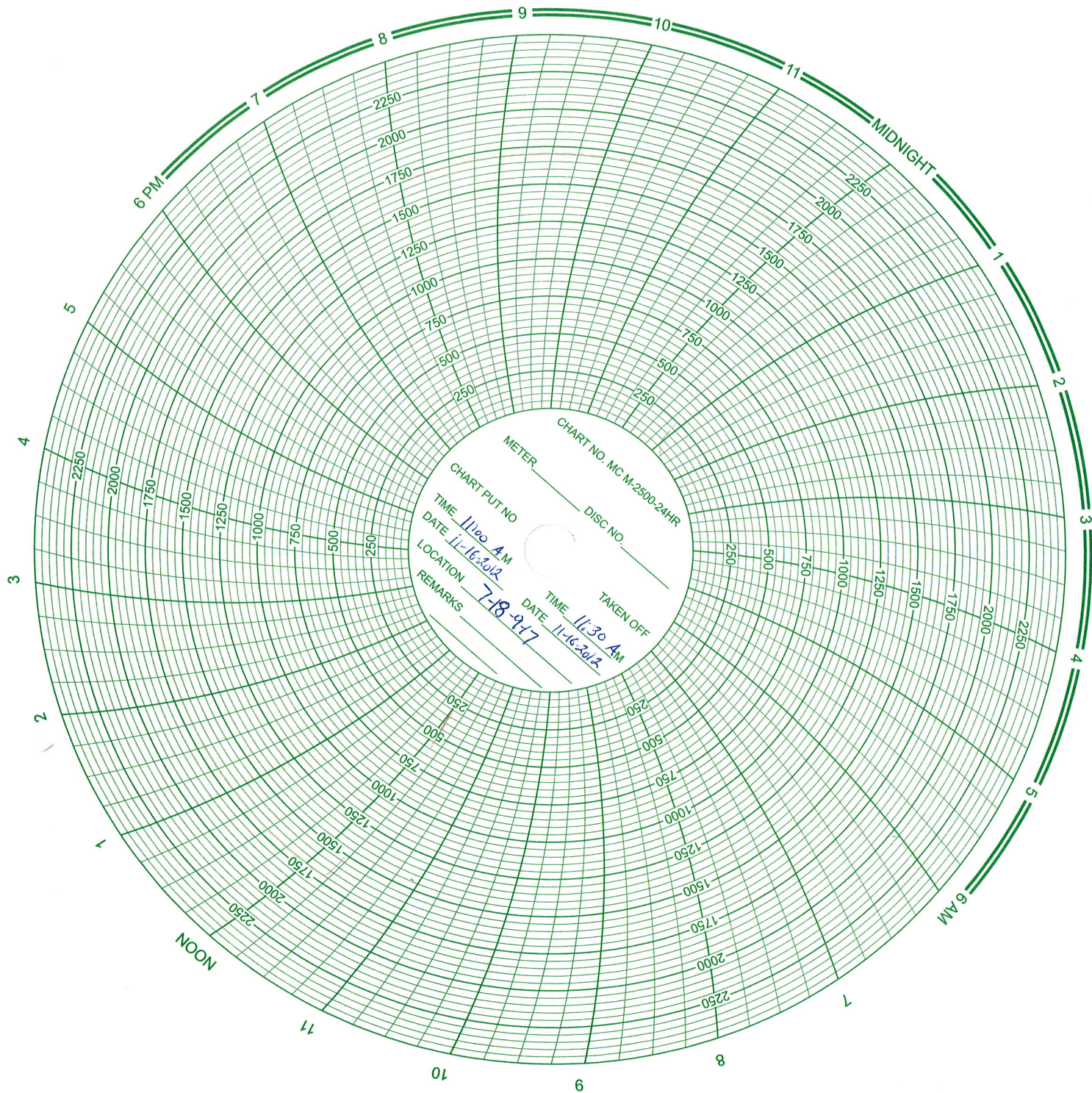
Does the annulus pressure build back up after the test? ☒ Yes ☐ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_







## Daily Activity Report

Format For Sundry

**BELUGA 7-18-9-17**

**9/1/2012 To 1/30/2013**

**11/5/2012 Day: 1**

**Conversion**

NC #2 on 11/5/2012 - MIRUSU - MIRUSU, R/U Rig Pmp, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - MIRUSU, R/U Rig Pmp, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - MIRUSU, R/U Rig Pmp, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - MIRUSU, R/U Rig Pmp, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$3,085

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**11/6/2012 Day: 2**

**Conversion**

NC #2 on 11/6/2012 - P/U Tbg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/D Wellhead, R/U Weatherford BOPS, P/U & TIH W/- 143- Jts Tbg (Blue Band N-80), To Plg @ 4555', L/D 2 Jts Tbg, SWI, CSDFN @ 5:30 PM, 5:30 To 6:00 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/D Wellhead, R/U Weatherford BOPS, P/U & TIH W/- 143- Jts Tbg (Blue Band N-80), To Plg @ 4555', L/D 2 Jts Tbg, SWI, CSDFN @ 5:30 PM, 5:30 To 6:00 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/D Wellhead, R/U Weatherford BOPS, P/U & TIH W/- 143- Jts Tbg (Blue Band N-80), To Plg @ 4555', L/D 2 Jts Tbg, SWI, CSDFN @ 5:30 PM, 5:30 To 6:00 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/D Wellhead, R/U Weatherford BOPS, P/U & TIH W/- 143- Jts Tbg (Blue Band N-80), To Plg @ 4555', L/D 2 Jts Tbg, SWI, CSDFN @ 5:30 PM, 5:30 To 6:00 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$10,027

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**11/7/2012 Day: 3**

**Conversion**

NC #2 on 11/7/2012 - Try To Drill Up CIBP - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Try & Drill Out CIBP, Only Made Approx. 10", Circ Well Clean For 1 Hr, Drain Rig Pmp, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Try & Drill Out CIBP, Only Made Approx. 10", Circ Well Clean For 1 Hr, Drain Rig Pmp, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Try & Drill Out CIBP, Only Made Approx. 10", Circ Well Clean For 1 Hr, Drain Rig Pmp, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Try & Drill Out CIBP, Only Made Approx. 10", Circ Well Clean For 1 Hr, Drain Rig Pmp, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$16,227

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**11/8/2012 Day: 4**

**Conversion**

NC #2 on 11/8/2012 - Finish Drilling Up CIBP, Clean Out To PBTD - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Finish Drilling Up CIBP, Clean Out To PBTD @ 5546', Circ Well Clean For 1 Hr, R/D Pwr Swvl, L/D 4 Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Finish Drilling Up CIBP, Clean Out To PBTD @ 5546', Circ Well Clean For 1 Hr, R/D Pwr Swvl, L/D 4 Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00



AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Finish Drilling Up CIBP, Clean Out To PBTD @ 5546', Circ Well Clean For 1 Hr, R/D Pwr Swvl, L/D 4 Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Nabors Pwr Swvl, P/U 2- Jts Tbg, Finish Drilling Up CIBP, Clean Out To PBTD @ 5546', Circ Well Clean For 1 Hr, R/D Pwr Swvl, L/D 4 Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$22,687

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**11/9/2012 Day: 5**

**Conversion**

NC #2 on 11/9/2012 - Pressure Test Tbg, POOH W/- Tbg Breaking & Dopeing Collars - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 5- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlve, Pressure Test Tbg To 3,000 Psi, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 40- Jts Tbg Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 5- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlve, Pressure Test Tbg To 3,000 Psi, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 40- Jts Tbg Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 5- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlve, Pressure Test Tbg To 3,000 Psi, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 40- Jts Tbg Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 5- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlve, Pressure Test Tbg To 3,000 Psi, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 40- Jts Tbg Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$31,779

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**11/12/2012 Day: 6**

**Conversion**

NC #2 on 11/12/2012 - Rig Maintenance - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, CSDFN @ 5:00 PM, 5:00 To 5:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, CSDFN @ 5:00 PM, 5:00 To 5:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, CSDFN @ 5:00 PM, 5:00 To 5:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, CSDFN @ 5:00 PM, 5:00 To 5:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$37,189

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**11/13/2012 Day: 7**

**Conversion**

NC #2 on 11/13/2012 - Finish Breaking & Dopeing Collars - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, OWU, R/U H/Oiler To Tbg, Circ Well Clean W/- 40 Bbls Wtr, POOH W/- 130 Jts Tbg, Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, OWU, R/U H/Oiler To Tbg, Circ Well Clean W/- 40 Bbls Wtr, POOH W/- 130 Jts Tbg, Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, OWU, R/U H/Oiler To Tbg, Circ Well Clean W/- 40 Bbls Wtr, POOH W/- 130 Jts Tbg, Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM Rig Maintenance, OWU, R/U H/Oiler To Tbg, Circ Well Clean W/- 40 Bbls Wtr, POOH W/- 130 Jts Tbg, Breaking & Dopeing Collars, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$42,961



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**11/14/2012 Day: 8**

**Conversion**

NC #2 on 11/14/2012 - TIH W/- Pkr & Tbg, Pressure Test Tbg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 20- Jts Tbg, P/U & TIH W/- 2 3/8" Wireline Re-Entry Guide, 2 3/8" x 1.875 "XN" Profile Nippple, 4' x 2 3/8" Tbg Sub, 2 7/8" x 2 3/8" X - Over, 5 1/2" Weatherford Arrowset Pkr, On/Off Tool W/- 1.875 "X" Profile Nipple, SN, 141- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlv, R/U Sandline, Chase Stnd Vlv To SN, Seat Stnd Vlv, Pressure Test Tbg To 3,000 Psi, Pressure Bled Off 200 Psi In 10 Min, Bump Back Up To 3,000 Psi, Let Stand Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 20- Jts Tbg, P/U & TIH W/- 2 3/8" Wireline Re-Entry Guide, 2 3/8" x 1.875 "XN" Profile Nippple, 4' x 2 3/8" Tbg Sub, 2 7/8" x 2 3/8" X - Over, 5 1/2" Weatherford Arrowset Pkr, On/Off Tool W/- 1.875 "X" Profile Nipple, SN, 141- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlv, R/U Sandline, Chase Stnd Vlv To SN, Seat Stnd Vlv, Pressure Test Tbg To 3,000 Psi, Pressure Bled Off 200 Psi In 10 Min, Bump Back Up To 3,000 Psi, Let Stand Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 20- Jts Tbg, P/U & TIH W/- 2 3/8" Wireline Re-Entry Guide, 2 3/8" x 1.875 "XN" Profile Nippple, 4' x 2 3/8" Tbg Sub, 2 7/8" x 2 3/8" X - Over, 5 1/2" Weatherford Arrowset Pkr, On/Off Tool W/- 1.875 "X" Profile Nipple, SN, 141- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlv, R/U Sandline, Chase Stnd Vlv To SN, Seat Stnd Vlv, Pressure Test Tbg To 3,000 Psi, Pressure Bled Off 200 Psi In 10 Min, Bump Back Up To 3,000 Psi, Let Stand Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 20- Jts Tbg, P/U & TIH W/- 2 3/8" Wireline Re-Entry Guide, 2 3/8" x 1.875 "XN" Profile Nippple, 4' x 2 3/8" Tbg Sub, 2 7/8" x 2 3/8" X - Over, 5 1/2" Weatherford Arrowset Pkr, On/Off Tool W/- 1.875 "X" Profile Nipple, SN, 141- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Drop Stnd Vlv, R/U Sandline, Chase Stnd Vlv To SN, Seat Stnd Vlv, Pressure Test Tbg To 3,000 Psi, Pressure Bled Off 200 Psi In 10 Min, Bump Back Up To 3,000 Psi, Let Stand Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$49,021

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**11/15/2012 Day: 9**

**Conversion**

NC #2 on 11/15/2012 - Pressure Test - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Bump Tbg Back Up To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlv, R/D Sandline, Rig Maintenance, R/D Workfloor, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Pressure Up Csg To 1,500 Psi, Hold Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Bump Tbg Back Up To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlv, R/D Sandline, Rig Maintenance, R/D Workfloor, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Pressure Up Csg To 1,500 Psi, Hold Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Bump Tbg Back Up To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlv, R/D Sandline, Rig Maintenance, R/D Workfloor, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Pressure Up Csg To 1,500 Psi, Hold Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Bump Tbg Back Up To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlv, R/D Sandline, Rig Maintenance, R/D Workfloor, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Pressure Up Csg To 1,500 Psi, Hold Over Night, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$55,271



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**11/16/2012 Day: 10**

**Conversion**

NC #2 on 11/16/2012 - Final Test - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Bled Off 300 Psi, R/U H/Oiler To Csg, Pmp Back Up To 1,500 Psi, Hold For 1 Hr, Good Test, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Bled Off 300 Psi, R/U H/Oiler To Csg, Pmp Back Up To 1,500 Psi, Hold For 1 Hr, Good Test, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Bled Off 300 Psi, R/U H/Oiler To Csg, Pmp Back Up To 1,500 Psi, Hold For 1 Hr, Good Test, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Bled Off 300 Psi, R/U H/Oiler To Csg, Pmp Back Up To 1,500 Psi, Hold For 1 Hr, Good Test, R/D NC #2, Well Ready For MIT. **Finalized**  
**Daily Cost:** \$0

**Cumulative Cost:** \$84,477

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**11/19/2012 Day: 11**

**Conversion**

Rigless on 11/19/2012 - Conduct initial MIT - On 11/12/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 560 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-09448 - On 11/12/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 560 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-09448 - On 11/12/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 560 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-09448 - On 11/12/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 560 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-09448 **Finalized**  
**Daily Cost:** \$0

**Cumulative Cost:** \$170,811

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**Pertinent Files: [Go to File List](#)**



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> BELUGA 7-18-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2083 FNL 1873 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013320510000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/11/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Put on Injection"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The above reference well was put on injection at 2:30 PM on 12/11/2012. EPA # UT20798-09448		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> December 24, 2012		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/12/2012	





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

DEC 05 2012

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah

Accepted by the  
Utah Division of  
Oil, Gas and Mining

**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20798-09448  
Well: Beluga 7-18-9-17  
SWNE Sec. 18-T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-32051

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) November 20, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20798-09448.

As of the date of this letter, Newfield is authorized to commence injection into the Beluga 7-18-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,750 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Sarah Roberts at the following address, referencing the well name and UIC Permit number on all correspondence:

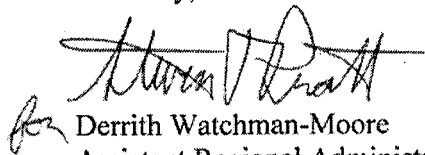


Sarah Roberts  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

Or, you may reach Ms. Roberts by telephone at (303) 312-7056 or (800) 227-8927, extension 312-7056. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20798-09448.

If you have questions regarding the above action, please call Bob Near at (303) 312-6278 or (800) 227-8917, extension 312-6278.

Sincerely,



Derrith Watchman-Moore  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairwoman  
Richard Jenks, Jr., Councilman  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman

Johnna Blackhair  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office



Eric Sundberg, Regulatory Analyst  
Newfield Production Company



*Printed on Recycled Paper*



## NEWFIELD



## Schematic

43-013-32051

Well Name: Beluga 7-18-9-17

Surface Legal Location 18-9S-17E	API/UWI 430133205100S01	Well RC 500151217	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 5/4/1998	Rig Release Date 5/10/1998	On Production Date	Original KB Elevation (ft) 5,454	Ground Elevation (ft) 5,442	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,546.8

## Most Recent Job

Job Category Production / Workover	Primary Job Type Clean-out	Secondary Job Type N/A	Job Start Date 4/21/2014	Job End Date 4/21/2014
---------------------------------------	-------------------------------	---------------------------	-----------------------------	---------------------------

TD: 5,600.0

Vertical - Original Hole, 1/8/2016 10:18:24 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (° ... 0 — 2	
12.1	12.1	0.1		
302.2	302.2	0.4		
303.1	303.1	0.4		
320.9	320.9	0.3		
4,524.6	4,524.2	1.2		
4,525.6	4,525.2	1.2		
4,527.6	4,527.1	1.2		
4,534.4	4,534.0	1.2		
4,535.1	4,534.7	1.2		
4,539.4	4,539.0	1.2		
4,540.4	4,539.9	1.2		
4,540.7	4,540.3	1.2		
4,601.0	4,600.6	1.2		
4,605.0	4,604.6	1.1		
4,671.9	4,671.5	1.0		
4,678.1	4,677.7	1.0		
4,755.9	4,755.4	1.3		
4,758.9	4,758.4	1.4		
4,950.1	4,949.6	2.0		
4,957.0	4,956.5	2.0		
5,014.1	5,013.5	1.9		
5,020.0	5,019.4	1.9		
5,022.0	5,021.4	1.9		
5,024.9	5,024.3	1.9		
5,546.6	5,545.4	2.0		
5,547.2	5,546.1	2.0		
5,589.2	5,588.1	2.0		
5,589.9	5,588.7	2.0		
5,600.1	5,598.9	2.0		

1; Surface; 8 5/8 in; 8 097 in; 12-303 ftKB; 291.00 ft

2-1; Tubing; 2 7/8; 2.441; 12-4,524; 4,512.47

2-2; Seating Nipple; 2 7/8; 2.441; 4,524-4,526; 1.10

2-3; On-Off Tool; 2 7/8; 2.441; 4,526-4,528; 1.94

2-4; Arrowset Packer; 5 1/2; 2.441; 4,528-4,535; 7.03

2-5; Cross Over; 2 7/8; 2.375; 4,535-4,535; 0.55

2-6; Tubing Pup; 2 3/8; 1.995; 4,535-4,539; 4.15

2-7; XN Nipple; 2 3/8; 1.995; 4,539-4,540; 1.10

2-8; Wireline Guide; 2 3/8; 1.995; 4,540-4,541; 0.42

Perforated; 4,601-4,605; 6/6/1998

Perforated; 4,672-4,678; 6/6/1998

Perforated; 4,756-4,759; 6/6/1998

Perforated; 4,950-4,957; 6/4/1998

Perforated; 5,014-5,020; 6/4/1998

Perforated; 5,022-5,025; 6/4/1998

2; Production; 5 1/2 in; 4 950 in; 12-5,590 ftKB; 5,578.00 ft



# NEWFIELD



## Newfield Wellbore Diagram Data Beluga 7-18-9-17

Surface Legal Location 18-9S-17E		API/UWI 430133205100S01		Lease	
County DUCHESNE		State/Province Utah		Basin	
Well Start Date 5/4/1998		Spud Date 5/4/1998		Final Rig Release Date 5/10/1998	
Original KB Elevation (ft) 5,454		Ground Elevation (ft) 5,442		Total Depth (ftKB) 5,600.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,546.8	

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/4/1998	8 5/8	8.097	24.00	J-55	303
Production	5/10/1998	5 1/2	4.950	15.50	J-55	5,590

### Cement

#### String: Surface, 303ftKB 5/4/1998

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 321.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description W/2% CC & 1/2#/sk flocele		Fluid Type Lead	Amount (sacks) 140	Class Premium Plus	Estimated Top (ftKB) 12.0

#### String: Production, 5,590ftKB 5/10/1998

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,600.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 5% SM, 6#/sk BA-91, 10%gel, 2#/sk Kolseal, 1/4#/sk Cello Flake		Fluid Type Lead	Amount (sacks) 250	Class 28:72 Poz Type III	Estimated Top (ftKB) 12.0
Fluid Description w/10% A-10 & 1% R-3		Fluid Type Tail	Amount (sacks) 275	Class G	Estimated Top (ftKB) 3,000.0

### Tubing Strings

Tubing Description					Run Date		Set Depth (ftKB)	
Tubing					11/14/2012		4,540.8	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	141	2 7/8	2.441	6.50	N-80	4,512.47	12.0	4,524.5
Seating Nipple		2 7/8	2.441			1.10	4,524.5	4,525.6
On-Off Tool		2 7/8	2.441			1.94	4,525.6	4,527.5
Arrowset Packer		5 1/2	2.441			7.03	4,527.5	4,534.5
Cross Over		2 7/8	2.375			0.55	4,534.5	4,535.1
Tubing Pup		2 3/8	1.995			4.15	4,535.1	4,539.2
XN Nipple		2 3/8	1.995			1.10	4,539.2	4,540.3
Wireline Guide		2 3/8	1.995			0.42	4,540.3	4,540.8

### Rod Strings

Rod Description		Run Date			Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
2	D/C sds, Original Hole	4,601	4,605	4			6/6/1998
2	D/C sds, Original Hole	4,672	4,678	4			6/6/1998
2	D/C sds, Original Hole	4,756	4,759	4			6/6/1998
1	A sds, Original Hole	4,950	4,957	4			6/4/1998
1	A sds, Original Hole	5,014	5,020	4			6/4/1998
1	A sds, Original Hole	5,022	5,025	4			6/4/1998

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,100	30.4	2,118.0				

### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 120500 lb



## NEWFIELD



## Schematic

43-013-32051

Well Name: Beluga 7-18-9-17

Surface Legal Location 18-9S-17E	API/UWI 430133205100S01	Well RC 500151217	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 5/4/1998	Rig Release Date 5/10/1998	On Production Date	Original KB Elevation (ft) 5,454	Ground Elevation (ft) 5,442	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,546.8

## Most Recent Job

Job Category Production / Workover	Primary Job Type Clean-out	Secondary Job Type N/A	Job Start Date 4/21/2014	Job End Date 4/21/2014
---------------------------------------	-------------------------------	---------------------------	-----------------------------	---------------------------

TD: 5,600.0

Vertical - Original Hole, 1/8/2016 10:18:24 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (° ... 0 — 2	
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303.1	303.1	0.4		
320.9	320.9	0.3		
4,524.6	4,524.2	1.2		
4,525.6	4,525.2	1.2		
4,527.6	4,527.1	1.2		
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4,535.1	4,534.7	1.2		
4,539.4	4,539.0	1.2		
4,540.4	4,539.9	1.2		
4,540.7	4,540.3	1.2		
4,601.0	4,600.6	1.2		
4,605.0	4,604.6	1.1		
4,671.9	4,671.5	1.0		
4,678.1	4,677.7	1.0		
4,755.9	4,755.4	1.3		
4,758.9	4,758.4	1.4		
4,950.1	4,949.6	2.0		
4,957.0	4,956.5	2.0		
5,014.1	5,013.5	1.9		
5,020.0	5,019.4	1.9		
5,022.0	5,021.4	1.9		
5,024.9	5,024.3	1.9		
5,546.6	5,545.4	2.0		
5,547.2	5,546.1	2.0		
5,589.2	5,588.1	2.0		
5,589.9	5,588.7	2.0		
5,600.1	5,598.9	2.0		



# NEWFIELD



## Newfield Wellbore Diagram Data Beluga 7-18-9-17

Surface Legal Location 18-9S-17E		API/UWI 430133205100S01		Lease
County DUCHESNE	State/Province Utah	Basin		Field Name GMBU CTB6
Well Start Date 5/4/1998	Spud Date 5/4/1998	Final Rig Release Date 5/10/1998		On Production Date
Original KB Elevation (ft) 5,454	Ground Elevation (ft) 5,442	Total Depth (ftKB) 5,600.0	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,546.8

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/4/1998	8 5/8	8.097	24.00	J-55	303
Production	5/10/1998	5 1/2	4.950	15.50	J-55	5,590

### Cement

#### String: Surface, 303ftKB 5/4/1998

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 321.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description W/2% CC & 1/2#/sk flocele	Fluid Type Lead	Amount (sacks) 140	Class Premium Plus	Estimated Top (ftKB) 12.0

#### String: Production, 5,590ftKB 5/10/1998

Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,600.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/.5% SM, 6#/sk BA-91, 10%gel, 2#/sk Kolseal, 1/4#/sk Cello Flake	Fluid Type Lead	Amount (sacks) 250	Class 28.72 Poz Type III	Estimated Top (ftKB) 12.0
Fluid Description w/10% A-10 & .1% R-3	Fluid Type Tail	Amount (sacks) 275	Class G	Estimated Top (ftKB) 3,000.0

### Tubing Strings

Tubing Description					Run Date		Set Depth (ftKB)	
Tubing					11/14/2012		4,540.8	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	141	2 7/8	2.441	6.50	N-80	4,512.47	12.0	4,524.5
Seating Nipple		2 7/8	2.441			1.10	4,524.5	4,525.6
On-Off Tool		2 7/8	2.441			1.94	4,525.6	4,527.5
Arrowset Packer		5 1/2	2.441			7.03	4,527.5	4,534.5
Cross Over		2 7/8	2.375			0.55	4,534.5	4,535.1
Tubing Pup		2 3/8	1.995			4.15	4,535.1	4,539.2
XN Nipple		2 3/8	1.995			1.10	4,539.2	4,540.3
Wireline Guide		2 3/8	1.995			0.42	4,540.3	4,540.8

### Rod Strings

Rod Description		Run Date			Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
2	D/C sds, Original Hole	4,601	4,605	4			6/6/1998
2	D/C sds, Original Hole	4,672	4,678	4			6/6/1998
2	D/C sds, Original Hole	4,756	4,759	4			6/6/1998
1	A sds, Original Hole	4,950	4,957	4			6/4/1998
1	A sds, Original Hole	5,014	5,020	4			6/4/1998
1	A sds, Original Hole	5,022	5,025	4			6/4/1998

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,100	30.4	2,118.0				

### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 120500 lb